



## SEQUENCE LISTING

<110> STRITTMATTER, STEPHEN M.  
CATE, RICHARD L.  
SAH, DINAH W.Y.

<120> NOGO RECEPTOR HOMOLOGS

<130> A116 CON

<140> 10/735,256

<141> 2003-12-12

<150> 09/972,546

<151> 2001-10-06

<150> 60/238,361

<151> 2000-10-06

<160> 19

<170> PatentIn Ver. 2.1

<210> 1

<211> 1260

<212> DNA

<213> Homo sapiens

<400> 1

```
atgctgcccc ggctcaggcg cctgctgcaa gctccccgct cggcctgcct cctgctgatg 60
ctcctggccc tgccccctggc ggccccccagc tgccccatgc tctgcacctg ctactcatcc 120
ccgcccaccg tgagctgcca ggccaacaac ttctcctctg tgccgctgtc cctgccaccc 180
agcactcagc gactcttcct gcagaacaac ctcatccgca cgctgcggcc aggcaccttt 240
gggtccaacc tgctcaccct gtggctcttc tccaacaacc tctccaccat ctaccggggc 300
actttccgcc acttgcaagc cctggaggag ctggacctcg gtgacaaccg gcacctgcgc 360
tcgctggagc ccgacacctt ccagggcctg gagcggctgc agtcgctgca tttgtaccgc 420
tgccagctca gcagcctgcc cggcaacatc ttccgaggcc tggtcagcct gcagtacctc 480
tacctccagg agaacagcct gctccacctc caggatgact tgctcgcgga cctggccaac 540
ctgagccacc tcttcctcca cgggaaccgc ctgcggctgc tcacagagca cgtgtttcgc 600
ggcctgggca gcctggaccg gctgctgtg caccgggaacc ggctgcaggc cgtgcaccgc 660
gcggccttcc gcggcctcag ccgcctcacc atcctctacc tggtcaacaa cagcctggcc 720
tcgctgcccc gcgaggcgct cgccgacctg ccctcgtctg agttcctgcg gctcaacgct 780
aaccctggg cgtgcgactg ccgcgcgcgg ccgctctggg cctgggtcca gcgcgcgcgc 840
gtgtccagct ccgacgtgac ctgcgccacc cccccggagc gccaggggcg agacctgcgc 900
gcgctccgcg aggcgcgact ccaggcgtgt ccgcccgcgg caccacgcgc gccgggcagc 960
cgcgcccgcg gcaacagctc ctccaaccac ctgtacgggg tggccgaggc cggggcgccc 1020
ccagccgatc cctccaccct ctaccgagat ctgcctgccg aagactcgcg ggggcgcccag 1080
ggcggggagc cgctactga ggacgactac tgggggggct acgggggtga ggaccagcga 1140
ggggagcaga tgtgcccccg cgctgcctgc caggcgcccc cggactcccg aggcctgcgc 1200
ctctcggccg ggctccccag ccctctgctt tgctcctgc tccctggtgc ccaccacctc 1260
```

<210> 2

<211> 420

<212> PRT

<213> Homo sapiens

<400> 2

```
Met Leu Pro Gly Leu Arg Arg Leu Leu Gln Ala Pro Ala Ser Ala Cys
  1              5              10              15
```

```
Leu Leu Leu Met Leu Leu Ala Leu Pro Leu Ala Ala Pro Ser Cys Pro
```

20					25					30					
Met	Leu	Cys	Thr	Cys	Tyr	Ser	Ser	Pro	Pro	Thr	Val	Ser	Cys	Gln	Ala
		35					40					45			
Asn	Asn	Phe	Ser	Ser	Val	Pro	Leu	Ser	Leu	Pro	Pro	Ser	Thr	Gln	Arg
	50					55					60				
Leu	Phe	Leu	Gln	Asn	Asn	Leu	Ile	Arg	Thr	Leu	Arg	Pro	Gly	Thr	Phe
65					70					75					80
Gly	Ser	Asn	Leu	Leu	Thr	Leu	Trp	Leu	Phe	Ser	Asn	Asn	Leu	Ser	Thr
				85					90					95	
Ile	Tyr	Pro	Gly	Thr	Phe	Arg	His	Leu	Gln	Ala	Leu	Glu	Glu	Leu	Asp
			100					105					110		
Leu	Gly	Asp	Asn	Arg	His	Leu	Arg	Ser	Leu	Glu	Pro	Asp	Thr	Phe	Gln
		115					120					125			
Gly	Leu	Glu	Arg	Leu	Gln	Ser	Leu	His	Leu	Tyr	Arg	Cys	Gln	Leu	Ser
	130					135					140				
Ser	Leu	Pro	Gly	Asn	Ile	Phe	Arg	Gly	Leu	Val	Ser	Leu	Gln	Tyr	Leu
145					150					155					160
Tyr	Leu	Gln	Glu	Asn	Ser	Leu	Leu	His	Leu	Gln	Asp	Asp	Leu	Phe	Ala
				165					170					175	
Asp	Leu	Ala	Asn	Leu	Ser	His	Leu	Phe	Leu	His	Gly	Asn	Arg	Leu	Arg
			180					185					190		
Leu	Leu	Thr	Glu	His	Val	Phe	Arg	Gly	Leu	Gly	Ser	Leu	Asp	Arg	Leu
		195					200					205			
Leu	Leu	His	Gly	Asn	Arg	Leu	Gln	Gly	Val	His	Arg	Ala	Ala	Phe	Arg
	210					215					220				
Gly	Leu	Ser	Arg	Leu	Thr	Ile	Leu	Tyr	Leu	Phe	Asn	Asn	Ser	Leu	Ala
225					230					235					240
Ser	Leu	Pro	Gly	Glu	Ala	Leu	Ala	Asp	Leu	Pro	Ser	Leu	Glu	Phe	Leu
				245					250					255	
Arg	Leu	Asn	Ala	Asn	Pro	Trp	Ala	Cys	Asp	Cys	Arg	Ala	Arg	Pro	Leu
			260					265					270		
Trp	Ala	Trp	Phe	Gln	Arg	Ala	Arg	Val	Ser	Ser	Ser	Asp	Val	Thr	Cys
	275						280					285			
Ala	Thr	Pro	Pro	Glu	Arg	Gln	Gly	Arg	Asp	Leu	Arg	Ala	Leu	Arg	Glu
	290					295					300				
Ala	Asp	Phe	Gln	Ala	Cys	Pro	Pro	Ala	Ala	Pro	Thr	Arg	Pro	Gly	Ser
305					310					315					320
Arg	Ala	Arg	Gly	Asn	Ser	Ser	Ser	Asn	His	Leu	Tyr	Gly	Val	Ala	Glu
				325					330					335	
Ala	Gly	Ala	Pro	Pro	Ala	Asp	Pro	Ser	Thr	Leu	Tyr	Arg	Asp	Leu	Pro
			340					345					350		

Ala Glu Asp Ser Arg Gly Arg Gln Gly Gly Asp Ala Pro Thr Glu Asp  
355 360 365

Asp Tyr Trp Gly Gly Tyr Gly Gly Glu Asp Gln Arg Gly Glu Gln Met  
370 375 380

Cys Pro Gly Ala Ala Cys Gln Ala Pro Pro Asp Ser Arg Gly Pro Ala  
385 390 395 400

Leu Ser Ala Gly Leu Pro Ser Pro Leu Leu Cys Leu Leu Leu Leu Val  
405 410 415

Pro His His Leu  
420

<210> 3  
<211> 1383  
<212> DNA  
<213> Mus sp.

<400> 3

atgtccttggc	agtctggaac	cacagtgaca	caatctccc	tcaggtctca	60
gggtgctgtg	tggaattgct	gctgttgctg	ctcgtctggag	gggtgggtgg	120
tgtcctcgag	actgtgtgtg	ctaccctgcg	cccagtgactg	ggcacacaac	180
tttgctgcca	tcccggagg	catcccagag	gacagtgagc	gcatacttct	240
cgcatacct	tcctccagca	gggccacttc	agccccgcca	tggtcaccct	300
tccaacaaca	tcactttcat	tgctcccaac	accttcgagg	gctttgtgca	360
ctagaccttg	gagacaaccg	acagctgcga	acgctggcac	ccgagacctt	420
gtgaagcttc	acgccctcta	cctctataag	tgtggactga	gcgccctgcc	480
tttggtggcc	tgcacagcct	gcagtatctc	tacttgagg	acaaccatat	540
caagatgaca	tctttgtgga	cctgggtcaat	ctcagtcact	tgtttctcca	600
ctatggagcc	tgggccaagg	catcttcccg	ggcctgggtga	acctggaccg	660
catgagaacc	agctacagtg	ggttcaccac	aaggctttcc	atgacctcca	720
accctctttc	tcttcaacaa	cagcctcact	gagctgcagg	gtgactgtct	780
gtggccttgg	agttccttcg	cctcaatggg	aatgcttggg	actgtggctg	840
tccctgtggg	aatggctgcg	aagggtccgt	ggctctagct	ctgctgtccc	900
cccagagctgc	ggcaaggcca	ggatctgaag	ctgctgaggg	tggaggactt	960
acaggaccag	tgtctcctca	ccagatcaag	tctcacacgc	ttaccacctc	1020
gcccgcaagg	agcaccatcc	gtcccatggg	gcctccaggg	acaaaggcca	1080
catccgcctg	gtccagggtc	aggttacaag	aaggcaggca	agaactgcac	1140
aaccggaacc	agatctctaa	ggtgagctct	gggaaagagc	ttaccgaact	1200
gcccccgact	atcagcacia	gttcagcttt	gacatcatgc	ccaccgcacg	1260
aagggcaagt	gtgctcgcag	gacccccatc	cgtgccccca	gtgggggtgca	1320
tcaggcacgg	cccttggggc	cccactcctg	gcctggatac	tgggggtggc	1380
cgc					1383

<210> 4  
<211> 461  
<212> PRT  
<213> Mus sp.

<400> 4

Met Ser Trp Gln Ser Gly Thr Thr Val Thr Gln Ser Pro Val Gln Ala  
1 5 10 15

Ala Gln Val Ser Gly Cys Cys Val Glu Leu Leu Leu Leu Leu Ala  
20 25 30

Gly Glu Leu Pro Leu Gly Gly Gly Cys Pro Arg Asp Cys Val Cys Tyr  
35 40 45

Pro Ala Pro Met Thr Val Ser Cys Gln Ala His Asn Phe Ala Ala Ile  
 50 55 60  
 Pro Glu Gly Ile Pro Glu Asp Ser Glu Arg Ile Phe Leu Gln Asn Asn  
 65 70 75 80  
 Arg Ile Thr Phe Leu Gln Gln Gly His Phe Ser Pro Ala Met Val Thr  
 85 90 95  
 Leu Trp Ile Tyr Ser Asn Asn Ile Thr Phe Ile Ala Pro Asn Thr Phe  
 100 105 110  
 Glu Gly Phe Val His Leu Glu Glu Leu Asp Leu Gly Asp Asn Arg Gln  
 115 120 125  
 Leu Arg Thr Leu Ala Pro Glu Thr Phe Gln Gly Leu Val Lys Leu His  
 130 135 140  
 Ala Leu Tyr Leu Tyr Lys Cys Gly Leu Ser Ala Leu Pro Ala Gly Ile  
 145 150 155 160  
 Phe Gly Gly Leu His Ser Leu Gln Tyr Leu Tyr Leu Gln Asp Asn His  
 165 170 175  
 Ile Glu Tyr Leu Gln Asp Asp Ile Phe Val Asp Leu Val Asn Leu Ser  
 180 185 190  
 His Leu Phe Leu His Gly Asn Lys Leu Trp Ser Leu Gly Gln Gly Ile  
 195 200 205  
 Phe Arg Gly Leu Val Asn Leu Asp Arg Leu Leu Leu His Glu Asn Gln  
 210 215 220  
 Leu Gln Trp Val His His Lys Ala Phe His Asp Leu His Arg Leu Thr  
 225 230 235 240  
 Thr Leu Phe Leu Phe Asn Asn Ser Leu Thr Glu Leu Gln Gly Asp Cys  
 245 250 255  
 Leu Ala Pro Leu Val Ala Leu Glu Phe Leu Arg Leu Asn Gly Asn Ala  
 260 265 270  
 Trp Asp Cys Gly Cys Arg Ala Arg Ser Leu Trp Glu Trp Leu Arg Arg  
 275 280 285  
 Phe Arg Gly Ser Ser Ser Ala Val Pro Cys Ala Thr Pro Glu Leu Arg  
 290 295 300  
 Gln Gly Gln Asp Leu Lys Leu Leu Arg Val Glu Asp Phe Arg Asn Cys  
 305 310 315 320  
 Thr Gly Pro Val Ser Pro His Gln Ile Lys Ser His Thr Leu Thr Thr  
 325 330 335  
 Ser Asp Arg Ala Ala Arg Lys Glu His His Pro Ser His Gly Ala Ser  
 340 345 350  
 Arg Asp Lys Gly His Pro His Gly His Pro Pro Gly Ser Arg Ser Gly  
 355 360 365  
 Tyr Lys Lys Ala Gly Lys Asn Cys Thr Ser His Arg Asn Arg Asn Gln



370		375		380
Ile Ser Lys Val Ser Ser Gly Lys Glu Leu Thr Glu Leu Gln Asp Tyr				
385		390		400
Ala Pro Asp Tyr Gln His Lys Phe Ser Phe Asp Ile Met Pro Thr Ala				
	405		410	415
Arg Pro Lys Arg Lys Gly Lys Cys Ala Arg Arg Thr Pro Ile Arg Ala				
	420		425	430
Pro Ser Gly Val Gln Gln Ala Ser Ser Gly Thr Ala Leu Gly Ala Pro				
	435		440	445
Leu Leu Ala Trp Ile Leu Gly Leu Ala Val Thr Leu Arg				
	450		455	460

<210> 5  
 <211> 473  
 <212> PRT  
 <213> Homo sapiens

<400> 5	
Met Lys Arg Ala Ser Ala Gly Gly Ser Arg Leu Leu Ala Trp Val Leu	
1	5 10 15
Trp Leu Gln Ala Trp Gln Val Ala Ala Pro Cys Pro Gly Ala Cys Val	
	20 25 30
Cys Tyr Asn Glu Pro Lys Val Thr Thr Ser Cys Pro Gln Gln Gly Leu	
	35 40 45
Gln Ala Val Pro Val Gly Ile Pro Ala Ala Ser Gln Arg Ile Phe Leu	
	50 55 60
His Gly Asn Arg Ile Ser His Val Pro Ala Ala Ser Phe Arg Ala Cys	
	65 70 75 80
Arg Asn Leu Thr Ile Leu Trp Leu His Ser Asn Val Leu Ala Arg Ile	
	85 90 95
Asp Ala Ala Ala Phe Thr Gly Leu Ala Leu Leu Glu Gln Leu Asp Leu	
	100 105 110
Ser Asp Asn Ala Gln Leu Arg Ser Val Asp Pro Ala Thr Phe His Gly	
	115 120 125
Leu Gly Arg Leu His Thr Leu His Leu Asp Arg Cys Gly Leu Gln Glu	
	130 135 140
Leu Gly Pro Gly Leu Phe Arg Gly Leu Ala Ala Leu Gln Tyr Leu Tyr	
	145 150 155 160
Leu Gln Asp Asn Ala Leu Gln Ala Leu Pro Asp Asp Thr Phe Arg Asp	
	165 170 175
Leu Gly Asn Leu Thr His Leu Phe Leu His Gly Asn Arg Ile Ser Ser	
	180 185 190
Val Pro Glu Arg Ala Phe Arg Gly Leu His Ser Leu Asp Arg Leu Leu	
	195 200 205

Leu His Gln Asn Arg Val Ala His Val His Pro His Ala Phe Arg Asp  
 210 215 220  
 Leu Gly Arg Leu Met Thr Leu Tyr Leu Phe Ala Asn Asn Leu Ser Ala  
 225 230 235 240  
 Leu Pro Thr Glu Ala Leu Ala Pro Leu Arg Ala Leu Gln Tyr Leu Arg  
 245 250 255  
 Leu Asn Asp Asn Pro Trp Val Cys Asp Cys Arg Ala Arg Pro Leu Trp  
 260 265 270  
 Ala Trp Leu Gln Lys Phe Arg Gly Ser Ser Ser Glu Val Pro Cys Ser  
 275 280 285  
 Leu Pro Gln Arg Leu Ala Gly Arg Asp Leu Lys Arg Leu Ala Ala Asn  
 290 295 300  
 Asp Leu Gln Gly Cys Ala Val Ala Thr Gly Pro Tyr His Pro Ile Trp  
 305 310 315 320  
 Thr Gly Arg Ala Thr Asp Glu Glu Pro Leu Gly Leu Pro Lys Cys Cys  
 325 330 335  
 Gln Pro Asp Ala Ala Asp Lys Ala Ser Val Leu Glu Pro Gly Arg Pro  
 340 345 350  
 Ala Ser Ala Gly Asn Ala Leu Lys Gly Arg Val Pro Pro Gly Asp Ser  
 355 360 365  
 Pro Pro Gly Asn Gly Ser Gly Pro Arg His Ile Asn Asp Ser Pro Phe  
 370 375 380  
 Gly Thr Leu Pro Gly Ser Ala Glu Pro Pro Leu Thr Ala Val Arg Pro  
 385 390 395 400  
 Glu Gly Ser Glu Pro Pro Gly Phe Pro Thr Ser Gly Pro Arg Arg Arg  
 405 410 415  
 Pro Gly Cys Ser Arg Lys Asn Arg Thr Arg Ser His Cys Arg Leu Gly  
 420 425 430  
 Gln Ala Gly Ser Gly Gly Gly Gly Thr Gly Asp Ser Glu Gly Ser Gly  
 435 440 445  
 Ala Leu Pro Ser Leu Thr Cys Ser Leu Thr Pro Leu Gly Leu Ala Leu  
 450 455 460  
 Val Leu Trp Thr Val Leu Gly Pro Cys  
 465 470

<210> 6

<211> 440

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus  
sequence

```

<220>
<221> MOD_RES
<222> (3)..(4)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (6)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (9)..(10)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (12)..(13)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (15)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (18)..(25)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (27)..(29)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (31)..(34)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (36)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (39)..(40)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (42)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (44)..(50)
<223> Variable amino acid

<220>
<221> MOD_RES

```

```

<222> (52)..(59)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (62)..(63)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (66)..(69)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (71)..(74)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (76)..(80)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (83)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (87)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (90)..(91)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (94)..(96)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (98)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (101)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (104)..(105)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (107)
<223> Variable amino acid

```

<220>  
<221> MOD\_RES  
<222> (109)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (111)..(112)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (114)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (116)..(117)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (119)..(122)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (124)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (127)..(128)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (136)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (138)..(141)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (143)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (146)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (148)  
<223> Variable amino acid

<220>

<221> MOD\_RES  
<222> (151)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (154)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (162)..(170)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (175)..(176)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (184)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (186)..(189)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (192)..(193)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (196)..(197)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (199)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (202)..(203)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (205)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (208)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (210)

```

<223> Variable amino acid

<220>
<221> MOD_RES
<222> (212)..(213)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (215)..(218)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (221)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (223)..(224)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (226)..(227)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (232)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (234)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (236)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (238)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (243)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (246)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (248)..(251)
<223> Variable amino acid

```

```

<220>
<221> MOD_RES
<222> (253)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (257)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (259)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (261)..(262)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (264)..(267)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (269)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (272)..(273)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (275)..(277)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (279)..(281)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (283)..(287)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (289)..(290)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (292)..(328)
<223> Variable amino acid

<220>
<221> MOD_RES

```



<222> (330)..(341)  
 <223> Variable amino acid

<220>  
 <221> MOD\_RES  
 <222> (344)..(346)  
 <223> Variable amino acid

<220>  
 <221> MOD\_RES  
 <222> (348)..(399)  
 <223> Variable amino acid

<220>  
 <221> MOD\_RES  
 <222> (401)..(428)  
 <223> Variable amino acid

<220>  
 <221> MOD\_RES  
 <222> (431)..(439)  
 <223> Variable amino acid

<400> 6  
 Cys Pro Xaa Xaa Cys Xaa Cys Tyr Xaa Xaa Pro Xaa Xaa Thr Xaa Ser  
     1                    5                    10                    15  
 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Pro Xaa Xaa Xaa Pro Xaa Xaa  
                     20                    25                    30  
 Xaa Xaa Arg Xaa Phe Leu Xaa Xaa Asn Xaa Ile Xaa Xaa Xaa Xaa Xaa  
                     35                    40                    45  
 Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Leu Trp Xaa Xaa Ser  
                     50                    55                    60  
 Asn Xaa Xaa Xaa Xaa Ile Xaa Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa  
     65                    70                    75                    80  
 Leu Glu Xaa Leu Asp Leu Xaa Asp Asn Xaa Xaa Leu Arg Xaa Xaa Xaa  
                     85                    90                    95  
 Pro Xaa Thr Phe Xaa Gly Leu Xaa Xaa Leu Xaa Leu Xaa Leu Xaa Xaa  
                     100                    105                    110  
 Cys Xaa Leu Xaa Xaa Leu Xaa Xaa Xaa Xaa Phe Xaa Gly Leu Xaa Xaa  
                     115                    120                    125  
 Leu Gln Tyr Leu Tyr Leu Gln Xaa Asn Xaa Xaa Xaa Xaa Leu Xaa Asp  
     130                    135                    140  
 Asp Xaa Phe Xaa Asp Leu Xaa Asn Leu Xaa His Leu Phe Leu His Gly  
     145                    150                    155                    160  
 Asn Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Phe Arg Gly Leu Xaa Xaa  
                     165                    170                    175  
 Leu Asp Arg Leu Leu Leu His Xaa Asn Xaa Xaa Xaa Xaa Val His Xaa  
                     180                    185                    190  
 Xaa Ala Phe Xaa Xaa Leu Xaa Arg Leu Xaa Xaa Leu Xaa Leu Phe Xaa  
                     195                    200                    205

Asn	Xaa	Leu	Xaa	Xaa	Leu	Xaa	Xaa	Xaa	Xaa	Leu	Ala	Xaa	Leu	Xaa	Xaa	210	215	220	
Leu	Xaa	Xaa	Leu	Arg	Leu	Asn	Xaa	Asn	Xaa	Trp	Xaa	Cys	Xaa	Cys	Arg	225	230	235	240
Ala	Arg	Xaa	Leu	Trp	Xaa	Trp	Xaa	Xaa	Xaa	Xaa	Arg	Xaa	Ser	Ser	Ser	245	250	255	
Xaa	Val	Xaa	Cys	Xaa	Xaa	Pro	Xaa	Xaa	Xaa	Xaa	Gly	Xaa	Asp	Leu	Xaa	260	265	270	
Xaa	Leu	Xaa	Xaa	Xaa	Asp	Xaa	Xaa	Xaa	Cys	Xaa	Xaa	Xaa	Xaa	Xaa	Pro	275	280	285	
Xaa	Xaa	Pro	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	290	295	300	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	305	310	315	320
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Gly	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	325	330	335	
Xaa	Xaa	Xaa	Xaa	Xaa	Pro	Pro	Xaa	Xaa	Xaa	Ser	Xaa	Xaa	Xaa	Xaa	Xaa	340	345	350	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	355	360	365	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	370	375	380	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Arg	385	390	395	400
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	405	410	415	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Leu	Xaa	Xaa	Xaa	420	425	430	
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Leu									435	440		

<210> 7

<211> 66

<212> PRT

<213> Homo sapiens

<400> 7

Arg	Ile	Tyr	Lys	Gly	Val	Ile	Gln	Ala	Ile	Gln	Lys	Ser	Asp	Glu	Gly	1	5	10	15
His	Pro	Phe	Arg	Ala	Tyr	Leu	Glu	Ser	Glu	Val	Ala	Ile	Ser	Glu	Glu	20	25	30	
Leu	Val	Gln	Lys	Tyr	Ser	Asn	Ser	Ala	Leu	Gly	His	Val	Asn	Cys	Thr	35	40	45	

Ile Lys Glu Leu Arg Arg Leu Phe Leu Val Asp Asp Leu Val Asp Ser  
50 55 60

Leu Lys  
65

<210> 8  
<211> 390  
<212> PRT  
<213> Homo sapeins

<400> 8  
Cys Pro Met Leu Cys Thr Cys Tyr Ser Ser Pro Pro Thr Val Ser Cys  
1 5 10 15

Gln Ala Asn Asn Phe Ser Ser Val Pro Leu Ser Leu Pro Pro Ser Thr  
20 25 30

Gln Arg Leu Phe Leu Gln Asn Asn Leu Ile Arg Thr Leu Arg Pro Gly  
35 40 45

Thr Phe Gly Ser Asn Leu Leu Thr Leu Trp Leu Phe Ser Asn Asn Leu  
50 55 60

Ser Thr Ile Tyr Pro Gly Thr Phe Arg His Leu Gln Ala Leu Glu Glu  
65 70 75 80

Leu Asp Leu Gly Asp Asn Arg His Leu Arg Ser Leu Glu Pro Asp Thr  
85 90 95

Phe Gln Gly Leu Glu Arg Leu Gln Ser Leu His Leu Tyr Arg Cys Gln  
100 105 110

Leu Ser Ser Leu Pro Gly Asn Ile Phe Arg Gly Leu Val Ser Leu Gln  
115 120 125

Tyr Leu Tyr Leu Gln Glu Asn Ser Leu Leu His Leu Gln Asp Asp Leu  
130 135 140

Phe Ala Asp Leu Ala Asn Leu Ser His Leu Phe Leu His Gly Asn Arg  
145 150 155 160

Leu Arg Leu Leu Thr Glu His Val Phe Arg Gly Leu Gly Ser Leu Asp  
165 170 175

Arg Leu Leu Leu His Gly Asn Arg Leu Gln Gly Val His Arg Ala Ala  
180 185 190

Phe Arg Gly Leu Ser Arg Leu Thr Ile Leu Tyr Leu Phe Asn Asn Ser  
195 200 205

Leu Ala Ser Leu Pro Gly Glu Ala Leu Ala Asp Leu Pro Ser Leu Glu  
210 215 220

Phe Leu Arg Leu Asn Ala Asn Pro Trp Ala Cys Asp Cys Arg Ala Arg  
225 230 235 240

Pro Leu Trp Ala Trp Phe Gln Arg Ala Arg Val Ser Ser Ser Asp Val  
245 250 255

Thr Cys Ala Thr Pro Pro Glu Arg Gln Gly Arg Asp Leu Arg Ala Leu

260										265					270						
Arg	Glu	Ala	Asp	Phe	Gln	Ala	Cys	Pro	Pro	Ala	Ala	Pro	Thr	Arg	Pro						
		275					280					285									
Gly	Ser	Arg	Ala	Arg	Gly	Asn	Ser	Ser	Ser	Asn	His	Leu	Tyr	Gly	Val						
	290					295					300										
Ala	Glu	Ala	Gly	Ala	Pro	Pro	Ala	Asp	Pro	Ser	Thr	Leu	Tyr	Arg	Asp						
305					310					315					320						
Leu	Pro	Ala	Glu	Asp	Ser	Arg	Gly	Arg	Gln	Gly	Gly	Asp	Ala	Pro	Thr						
				325					330					335							
Glu	Asp	Asp	Tyr	Trp	Gly	Gly	Tyr	Gly	Gly	Glu	Asp	Gln	Arg	Gly	Glu						
			340					345					350								
Gln	Met	Cys	Pro	Gly	Ala	Ala	Cys	Gln	Ala	Pro	Pro	Asp	Ser	Arg	Gly						
		355					360					365									
Pro	Ala	Leu	Ser	Ala	Gly	Leu	Pro	Ser	Pro	Leu	Leu	Cys	Leu	Leu	Leu						
	370					375					380										
Leu	Val	Pro	His	His	Leu																
385					390																

<210> 9  
 <211> 421  
 <212> PRT  
 <213> Mus sp.

<400> 9															
Cys	Pro	Arg	Asp	Cys	Val	Cys	Tyr	Pro	Ala	Pro	Met	Thr	Val	Ser	Cys
1				5					10					15	
Gln	Ala	His	Asn	Phe	Ala	Ala	Ile	Pro	Glu	Gly	Ile	Pro	Glu	Asp	Ser
			20					25					30		
Glu	Arg	Ile	Phe	Leu	Gln	Asn	Asn	Arg	Ile	Thr	Phe	Leu	Gln	Gln	Gly
		35					40					45			
His	Phe	Ser	Pro	Ala	Met	Val	Thr	Leu	Trp	Ile	Tyr	Ser	Asn	Asn	Ile
	50					55					60				
Thr	Phe	Ile	Ala	Pro	Asn	Thr	Phe	Glu	Gly	Phe	Val	His	Leu	Glu	Glu
65					70				75					80	
Leu	Asp	Leu	Gly	Asp	Asn	Arg	Gln	Leu	Arg	Thr	Leu	Ala	Pro	Glu	Thr
				85					90					95	
Phe	Gln	Gly	Leu	Val	Lys	Leu	His	Ala	Leu	Tyr	Leu	Tyr	Lys	Cys	Gly
			100					105					110		
Leu	Ser	Ala	Leu	Pro	Ala	Gly	Ile	Phe	Gly	Gly	Leu	His	Ser	Leu	Gln
		115					120					125			
Tyr	Leu	Tyr	Leu	Gln	Asp	Asn	His	Ile	Glu	Tyr	Leu	Gln	Asp	Asp	Ile
	130					135					140				
Phe	Val	Asp	Leu	Val	Asn	Leu	Ser	His	Leu	Phe	Leu	His	Gly	Asn	Lys
145					150					155					160

Leu Trp Ser Leu Gly Gln Gly Ile Phe Arg Gly Leu Val Asn Leu Asp  
 165 170 175  
 Arg Leu Leu Leu His Glu Asn Gln Leu Gln Trp Val His His Lys Ala  
 180 185 190  
 Phe His Asp Leu His Arg Leu Thr Thr Leu Phe Leu Phe Asn Asn Ser  
 195 200 205  
 Leu Thr Glu Leu Gln Gly Asp Cys Leu Ala Pro Leu Val Ala Leu Glu  
 210 215 220  
 Phe Leu Arg Leu Asn Gly Asn Ala Trp Asp Cys Gly Cys Arg Ala Arg  
 225 230 235 240  
 Ser Leu Trp Glu Trp Leu Arg Arg Phe Arg Gly Ser Ser Ser Ala Val  
 245 250 255  
 Pro Cys Ala Thr Pro Glu Leu Arg Gln Gly Gln Asp Leu Lys Leu Leu  
 260 265 270  
 Arg Val Glu Asp Phe Arg Asn Cys Thr Gly Pro Val Ser Pro His Gln  
 275 280 285  
 Ile Lys Ser His Thr Leu Thr Thr Ser Asp Arg Ala Ala Arg Lys Glu  
 290 295 300  
 His His Pro Ser His Gly Ala Ser Arg Asp Lys Gly His Pro His Gly  
 305 310 315 320  
 His Pro Pro Gly Ser Arg Ser Gly Tyr Lys Lys Ala Gly Lys Asn Cys  
 325 330 335  
 Thr Ser His Arg Asn Arg Asn Gln Ile Ser Lys Val Ser Ser Gly Lys  
 340 345 350  
 Glu Leu Thr Glu Leu Gln Asp Tyr Ala Pro Asp Tyr Gln His Lys Phe  
 355 360 365  
 Ser Phe Asp Ile Met Pro Thr Ala Arg Pro Lys Arg Lys Gly Lys Cys  
 370 375 380  
 Ala Arg Arg Thr Pro Ile Arg Ala Pro Ser Gly Val Gln Gln Ala Ser  
 385 390 395 400  
 Ser Gly Thr Ala Leu Gly Ala Pro Leu Leu Ala Trp Ile Leu Gly Leu  
 405 410 415  
 Ala Val Thr Leu Arg  
 420

<210> 10

<211> 17

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Consensus  
sequence

<220>  
 <221> MOD\_RES  
 <222> (3)..(4)  
 <223> Variable amino acid

<220>  
 <221> MOD\_RES  
 <222> (6)  
 <223> Variable amino acid

<220>  
 <221> MOD\_RES  
 <222> (9)..(10)  
 <223> Variable amino acid

<220>  
 <221> MOD\_RES  
 <222> (12)..(13)  
 <223> Variable amino acid

<220>  
 <221> MOD\_RES  
 <222> (15)  
 <223> Variable amino acid

<400> 10  
 Cys Pro Xaa Xaa Cys Xaa Cys Tyr Xaa Xaa Pro Xaa Xaa Thr Xaa Ser  
           1                  5                  10                  15

Cys

<210> 11  
 <211> 50  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Consensus  
           sequence

<220>  
 <221> MOD\_RES  
 <222> (2)  
 <223> Variable amino acid

<220>  
 <221> MOD\_RES  
 <222> (4)  
 <223> Variable amino acid

<220>  
 <221> MOD\_RES  
 <222> (6)  
 <223> Variable amino acid

<220>  
 <221> MOD\_RES  
 <222> (11)  
 <223> Variable amino acid

<220>

<221> MOD\_RES  
 <222> (14)  
 <223> Variable amino acid

<220>  
 <221> MOD\_RES  
 <222> (16)..(19)  
 <223> Variable amino acid

<220>  
 <221> MOD\_RES  
 <222> (21)  
 <223> Variable amino acid

<220>  
 <221> MOD\_RES  
 <222> (25)  
 <223> Variable amino acid

<220>  
 <221> MOD\_RES  
 <222> (27)  
 <223> Variable amino acid

<220>  
 <221> MOD\_RES  
 <222> (29)..(30)  
 <223> Variable amino acid

<220>  
 <221> MOD\_RES  
 <222> (32)..(35)  
 <223> Variable amino acid

<220>  
 <221> MOD\_RES  
 <222> (37)  
 <223> Variable amino acid

<220>  
 <221> MOD\_RES  
 <222> (40)..(41)  
 <223> Variable amino acid

<220>  
 <221> MOD\_RES  
 <222> (43)..(45)  
 <223> Variable amino acid

<220>  
 <221> MOD\_RES  
 <222> (47)..(49)  
 <223> Variable amino acid

<400> 11  
 Asn Xaa Trp Xaa Cys Xaa Cys Arg Ala Arg Xaa Leu Trp Xaa Trp Xaa  
     1                    5                    10                    15

Xaa Xaa Xaa Arg Xaa Ser Ser Ser Xaa Val Xaa Cys Xaa Xaa Pro Xaa  
                     20                    25                    30

Xaa Xaa Xaa Gly Xaa Asp Leu Xaa Xaa Leu Xaa Xaa Xaa Asp Xaa Xaa

Xaa Cys  
50

<210> 12  
<211> 196  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Consensus  
sequence

<220>  
<221> MOD\_RES  
<222> (2)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (5)..(6)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (8)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (10)..(16)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (18)..(25)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (28)..(29)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (32)..(35)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (37)..(40)  
<223> Variable amino acid

<220>  
<221> MOD\_RES  
<222> (42)..(46)  
<223> Variable amino acid

<220>  
<221> MOD\_RES



```

<222> (49)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (53)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (56)..(57)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (60)..(62)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (64)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (67)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (70)..(71)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (73)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (75)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (77)..(78)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (80)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (82)..(83)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (85)..(88)
<223> Variable amino acid

```

```

<220>
<221> MOD_RES
<222> (90)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (93)..(94)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (102)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (104)..(107)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (109)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (112)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (114)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (117)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (120)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (128)..(136)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (141)..(142)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (150)
<223> Variable amino acid

<220>

```

```

<221> MOD_RES
<222> (152)..(155)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (158)..(159)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (162)..(163)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (165)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (168)..(169)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (171)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (174)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (176)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (178)..(179)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (181)..(184)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (187)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (189)..(190)
<223> Variable amino acid

<220>
<221> MOD_RES
<222> (192)..(193)

```

<223> Variable amino acid

<400> 12

Arg Xaa Phe Leu Xaa Xaa Asn Xaa Ile Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
1 5 10 15  
Phe Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Leu Trp Xaa Xaa Ser Asn Xaa  
20 25 30  
Xaa Xaa Xaa Ile Xaa Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Leu Glu  
35 40 45  
Xaa Leu Asp Leu Xaa Asp Asn Xaa Xaa Leu Arg Xaa Xaa Xaa Pro Xaa  
50 55 60  
Thr Phe Xaa Gly Leu Xaa Xaa Leu Xaa Leu Xaa Leu Xaa Xaa Cys Xaa  
65 70 75 80  
Leu Xaa Xaa Leu Xaa Xaa Xaa Xaa Phe Xaa Gly Leu Xaa Xaa Leu Gln  
85 90 95  
Tyr Leu Tyr Leu Gln Xaa Asn Xaa Xaa Xaa Xaa Leu Xaa Asp Asp Xaa  
100 105 110  
Phe Xaa Asp Leu Xaa Asn Leu Xaa His Leu Phe Leu His Gly Asn Xaa  
115 120 125  
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Phe Arg Gly Leu Xaa Xaa Leu Asp  
130 135 140  
Arg Leu Leu Leu His Xaa Asn Xaa Xaa Xaa Xaa Val His Xaa Xaa Ala  
145 150 155 160  
Phe Xaa Xaa Leu Xaa Arg Leu Xaa Xaa Leu Xaa Leu Phe Xaa Asn Xaa  
165 170 175  
Leu Xaa Xaa Leu Xaa Xaa Xaa Xaa Leu Ala Xaa Leu Xaa Xaa Leu Xaa  
180 185 190  
Xaa Leu Arg Leu  
195

<210> 13

<211> 1176

<212> DNA

<213> Homo sapiens

<400> 13

gagggcatcc ccgtggacag cgagcgcgctc ttcctgcaga acaaccgcat cggcctcctc 60  
cagcccggcc acttcagccc cgccatggctc accctgtgga tctactcgaa caacatcacc 120  
tacatccacc ccagcacctt cgagggcttc gtgcacctgg aggagctgga cctcggcgac 180  
aaccggcagc tgcggacgct ggcacccgag accttcagg gcctggtgaa gcttcacgcc 240  
ctctacctct acaagtgtgg gctcagcgcc ttgccggccg gcgtctttgg cggcctgcac 300  
agcctgcagt acctctacct gcaggacaac cacatcgagt acctccagga cgacatcttc 360  
gtggacctgg tcaacctcag ccacctgttt ctccacggca acaagctgtg gagtctgggc 420  
ccgggcacct tccggggcct ggtgaacctg gaccgtcttt tgctgcacga gaaccagctg 480  
cagtgggtcc accacaaggc attccacgac ctccgcaggc tgaccaccct cttcctcttc 540  
aacaacagcc tctcggagct gcagggtgag tgcctggccc cgctgggggc cctggagttc 600  
ctccgcctca acggcaacc ctgggactgt gggtgtcgcg cgcgctccct gtgggaatgg 660  
ctgcagaggt tccggggctc cagctccgct gtccctgtg tgtcccttg gctgcggcac 720  
ggccaggacc tgaagctgct gagggccgag gacttccgga actgcacggg accagcgtcc 780

```

ccgcaccaga tcaagtcaca cacgctcacc accaccgaca gggccgcccc caaggaacac 840
cactcacccc acggccccac caggagcaag ggccaccgc acggcccccg gcccggccac 900
aggaagcccg ggaagaactg caccaacccc aggaaccgca atcagatctc taaggcgggc 960
gccgggaaac agggccccga gctgccagac tatgccccag actaccagca caagttcagt 1020
tttgacatca tgcctacggc ccggcccaag aggaagggca agtgtgcccc caggaccccc 1080
atccgtgccc ccagcggggt gcagcaggcc tcctcgcca gttccctggg ggctccctc 1140
ctggcctgga cactgggggt ggcggtcact ctccgc 1176

```

<210> 14

<211> 392

<212> PRT

<213> Homo sapiens

<400> 14

```

Glu Gly Ile Pro Val Asp Ser Glu Arg Val Phe Leu Gln Asn Asn Arg
 1              5              10              15

Ile Gly Leu Leu Gln Pro Gly His Phe Ser Pro Ala Met Val Thr Leu
      20              25              30

Trp Ile Tyr Ser Asn Asn Ile Thr Tyr Ile His Pro Ser Thr Phe Glu
      35              40              45

Gly Phe Val His Leu Glu Glu Leu Asp Leu Gly Asp Asn Arg Gln Leu
      50              55              60

Arg Thr Leu Ala Pro Glu Thr Phe Gln Gly Leu Val Lys Leu His Ala
      65              70              75              80

Leu Tyr Leu Tyr Lys Cys Gly Leu Ser Ala Leu Pro Ala Gly Val Phe
      85              90              95

Gly Gly Leu His Ser Leu Gln Tyr Leu Tyr Leu Gln Asp Asn His Ile
      100             105             110

Glu Tyr Leu Gln Asp Asp Ile Phe Val Asp Leu Val Asn Leu Ser His
      115             120             125

Leu Phe Leu His Gly Asn Lys Leu Trp Ser Leu Gly Pro Gly Thr Phe
      130             135             140

Arg Gly Leu Val Asn Leu Asp Arg Leu Leu Leu His Glu Asn Gln Leu
      145             150             155             160

Gln Trp Val His His Lys Ala Phe His Asp Leu Arg Arg Leu Thr Thr
      165             170             175

Leu Phe Leu Phe Asn Asn Ser Leu Ser Glu Leu Gln Gly Glu Cys Leu
      180             185             190

Ala Pro Leu Gly Ala Leu Glu Phe Leu Arg Leu Asn Gly Asn Pro Trp
      195             200             205

Asp Cys Gly Cys Arg Ala Arg Ser Leu Trp Glu Trp Leu Gln Arg Phe
      210             215             220

Arg Gly Ser Ser Ser Ala Val Pro Cys Val Ser Pro Gly Leu Arg His
      225             230             235             240

Gly Gln Asp Leu Lys Leu Leu Arg Ala Glu Asp Phe Arg Asn Cys Thr
      245             250             255

```

Gly Pro Ala Ser Pro His Gln Ile Lys Ser His Thr Leu Thr Thr Thr  
                           260                          265                          270  
 Asp Arg Ala Ala Arg Lys Glu His His Ser Pro His Gly Pro Thr Arg  
                           275                          280                          285  
 Ser Lys Gly His Pro His Gly Pro Arg Pro Gly His Arg Lys Pro Gly  
                           290                          295                          300  
 Lys Asn Cys Thr Asn Pro Arg Asn Arg Asn Gln Ile Ser Lys Ala Gly  
   305                          310                          315                          320  
 Ala Gly Lys Gln Ala Pro Glu Leu Pro Asp Tyr Ala Pro Asp Tyr Gln  
                           325                          330                          335  
 His Lys Phe Ser Phe Asp Ile Met Pro Thr Ala Arg Pro Lys Arg Lys  
                           340                          345                          350  
 Gly Lys Cys Ala Arg Arg Thr Pro Ile Arg Ala Pro Ser Gly Val Gln  
                           355                          360                          365  
 Gln Ala Ser Ser Ala Ser Ser Leu Gly Ala Ser Leu Leu Ala Trp Thr  
   370                          375                          380  
 Leu Gly Leu Ala Val Thr Leu Arg  
   385                          390

<210> 15  
 <211> 143899  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> modified\_base  
 <222> (2044)..(2144)  
 <223> a, t, c, g, other or unknown

<220>  
 <221> modified\_base  
 <222> (6609)  
 <223> a, t, c, g, other or unknown

<220>  
 <221> modified\_base  
 <222> (6625)..(6724)  
 <223> a, t, c, g, other or unknown

<220>  
 <221> modified\_base  
 <222> (14153)..(14252)  
 <223> a, t, c, g, other or unknown

<220>  
 <221> modified\_base  
 <222> (19512)..(19611)  
 <223> a, t, c, g, other or unknown

<220>  
 <221> modified\_base

<222> (22595)..(22694)  
 <223> a, t, c, g, other or unknown

<220>  
 <221> modified\_base  
 <222> (27825)..(27924)  
 <223> a, t, c, g, other or unknown

<220>  
 <221> modified\_base  
 <222> (34953)..(35052)  
 <223> a, t, c, g, other or unknown

<220>  
 <221> modified\_base  
 <222> (40783)..(40882)  
 <223> a, t, c, g, other or unknown

<220>  
 <221> modified\_base  
 <222> (49000)..(49099)  
 <223> a, t, c, g, other or unknown

<220>  
 <221> modified\_base  
 <222> (62884)..(62983)  
 <223> a, t, c, g, other or unknown

<220>  
 <221> modified\_base  
 <222> (75528)..(75627)  
 <223> a, t, c, g, other or unknown

<220>  
 <221> modified\_base  
 <222> (87944)..(88043)  
 <223> a, t, c, g, other or unknown

<220>  
 <221> modified\_base  
 <222> (111030)..(111129)  
 <223> a, t, c, g, other or unknown

<400> 15  
 aagcacatac aggtgacatt acagaactga cagttatgcc aggcactgta cttagcccct 60  
 ataccatcct caaacagctg tatgatgtag attgggtatt aaccccatata ataacaaaag 120  
 tacagggaac aaagtgactt tccaaaggctc atgccattca aaggaggggtg aatccttaggt 180  
 tggacgcagg ctgtctgact ctggagctctg aggtgttaat gctgcctcct ccatgggaac 240  
 agcccaagtg aaaaacagct gatccactct tcatttactt ggcacatctgtg ctaagctggg 300  
 ccctgagcca agctctgagc aacagaaaaca gaagctctgc attaggagct tgtgagcatg 360  
 tcaatgcccg gtaaaggagt gctggaaacc gctgggatgg ccgccgagca ctaggccggt 420  
 gaaggtgggc tctgtgtgac tggttcctct acactctggc ctggctgcct gcaggaagaa 480  
 gatcaagctg agtgggctgg ccctggacca caaggtgaca ggtgacctct tctacacca 540  
 tgtgaccacc atggggccaga ggctcagcca gaaggccccc agcctggagg acggttcgga 600  
 tgccttcacg tcaccccagg atgttcgggg cacctcagaa aaccttcctg agagttagtg 660  
 tctgggtcaag gtgccggcct tgggggatag tgatgggtgg tcctcatatt cagttagcac 720  
 tcatggttga gtatttattc gcacccctct tcagtcctta caacacccca tgatgtaggt 780  
 ggggcattgt cctcatttac agatgggcac atcaaagctc agctaacgct gggaagttca 840  
 gattcagggt taccctgctg gattcctggg attggggagg gaggagcttc caaatgggg 900  
 acaaggtctc tgggcctgtc gggtagctgg tttcctcagg gcccttgca acctctgagc 960  
 ttattgcac aggtgcagcc agggccgtga gcctcctggc aggggtcctc cacacctggc 1020  
 tgtcttttgc ccctgctgg tcacaggagg agctgcagca cctgcctggg ctgcttctca 1080

ggaggggtaca	tgaagatccc	aggaccgcca	gctccatgat	aagtgggaagg	agctccttgg	1140
agtccaggagc	gggagttgag	gagtttgagt	cctgctctcc	agttataggc	tatgtgactt	1200
gtgtagatca	cctaacccttg	ctcttgattt	ccttacctct	taaaactagca	ctaaaagcac	1260
ccacaaaact	gtaaagttag	ttgtgatgat	tgaatgacac	catgggtgtg	gaagctcttt	1320
gtaaagtgc	aaacgggtgtg	cagtttgagg	gtgggtaccc	ccagtgccga	ttctcagagg	1380
gcaacatggc	taagggcacg	agctggagtt	aggctgacct	gctgcttcca	gccctgtgag	1440
cttgagcaag	tcattttaact	tectgagctg	cagtttcctc	atcagtaaaa	tgtgataaag	1500
atagggttgt	tgtaagattt	tattaaatgg	ggtaataaat	gtcaagtatg	tagcccatag	1560
tgagtgcctc	agagtttttt	tcttttgttt	ctttccccc	cgccccgaga	tggagcctta	1620
ctctgttgcc	caggctggag	tgcagtggca	tgactcttggc	tactgcaac	ctccgcctcc	1680
cgggttcaag	caattctcct	gcctcagcct	cccaaatagg	tgggactaca	ggcgtgcacc	1740
accatgctcg	gctaattttt	gtatcttttag	tagagacggg	gtttcaccat	gttggccagg	1800
ctggctcga	actcctgacc	tcatgatgct	cctgcctcag	ccccgaaag	ttttgggatt	1860
acaagtgtga	gccccgtgc	cctgccaggt	tttttttttt	tttttttttt	tgtaaaacac	1920
ccacagggtta	ttgctgttgc	ctgggctgga	gtgcggtagt	gcaatcatag	ttcactgcag	1980
ccttgacctc	ctgggctcaa	gtgatcctcc	tgcctcagcc	tcctgagtag	ctgggaatac	2040
aggnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	2100
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	2160
agacagggtt	ttcccaatgt	tggccaaggc	tggtctaaaa	ctcccaacct	cagggtgatcc	2220
accacactca	gcctcccaaa	gtactgggat	tacaggcgtg	agacaccgtg	cccagccagg	2280
aggcttattt	ttcttgataaa	ttaccacagt	tcagggtattt	ctctacagcg	atgcaagaac	2340
agcctaatac	atccaggctc	agcatcagtc	gaccacgggtg	ggagagctta	agatgtcaag	2400
gtctgaatgc	cgcttccaca	cacctttggg	acctagggac	tccctctctt	tttctttttt	2460
cagtagaaga	tgttatcttc	tcctttctct	gaccagtagt	tggtgatggg	ttcagagata	2520
gtttttcagt	caagatatat	ttcagtggct	tactgagcc	caagttccct	cgctctctta	2580
ggactttatt	tccttgtttc	tagaagaggg	ataacacata	ttttctaagg	tgggtgtgag	2640
attaagggag	ctgggtaccg	gtgggtgcata	aggacaggat	agagcaatgg	tgagaccact	2700
caaaaagcga	aaagttgacc	tgcgaggggtg	acacttatca	aatcagcaca	cagtgggagt	2760
ggaaggaatg	tccctcatca	gttacaatat	ttggagagtg	caagttatag	aaaaccagc	2820
cctggccggg	cgcggtgggt	catgcctata	atccagcac	tttgggaggc	tgaggcaggt	2880
ggatcacgag	gtcaggagtt	caagaccagc	ctgaccaacg	tggtgaaacc	ccacctctac	2940
taaaaatata	aaattagctg	ggcgtgggtg	tgtgtgcctg	taatctgagc	tactcaggag	3000
gctgaggcac	gagaatcact	tgaaaccggg	aggtggagtt	tgcagtgagc	cgagatcgca	3060
ccactgcact	ccagcctggg	caacagagcg	agactccatc	tcaaacgaaa	aaaaaaaaag	3120
aaagaaaacc	cagctctaac	tggcttaaac	agtaagaaga	tctattatat	tatccatctc	3180
aggcagcagc	aagcccagag	gtaggggact	ccaaggttgg	ttgatccagg	gcttaacgat	3240
gtcatcaaag	accaggttc	tttctgtctc	ggcacctctg	tctgcagggc	cagcttcac	3300
ctaagccaga	ttgttcttgt	cttgattaca	agttggctgc	tgggccagca	gacgctgcct	3360
gctcctctgt	tcactcttcag	aagtagaaa	tggcccttcc	ccagtcatgg	aatgaaaag	3420
tttctttctt	gtctgggatt	gcttaggtcc	accacactga	agccaatgac	tgtcaccagg	3480
aaggtaatat	acactgattg	tcttaagtca	gggttctctga	gccagtcttg	ggcaaggagt	3540
gtgatactgt	catgattgtc	ttgggctcat	cagggcagct	ctgcagatga	gatcaaaactc	3600
caagctacat	tattctgaac	agtgggaagt	aggaaagaga	cattttggga	gatacaaaac	3660
acaatgtcta	tcccatatcc	ctaggtccag	gtcacagtgt	cttgggtgga	catcaaattgt	3720
agaaaaagaa	agactgtcca	tccatttatc	tacctattca	tctgggtttt	gatttttttt	3780
aaattttatt	ttaagacatt	ctcactctgt	caccagact	ggagtgcagt	ggtttgatca	3840
tggctcatgg	cagcctcaac	ctcccaggct	caagtgacct	tcccatgctc	aagtgatcct	3900
cctacctcag	cctcccaagt	agctagaact	aaaggtgcac	gccaccacgc	tcagttaatt	3960
tttgcatttt	ttgtagagat	ggggtttcgt	catgatgccc	atgctagtct	ggaattcctg	4020
aactcaagca	atatgcctgc	ctttgcctcc	caaaatgctg	ggattgtagg	catgagccac	4080
tgctcctggc	tcatctgttt	aataatttat	gaaacaacta	ctgggtgctg	agcacgggggc	4140
caggggctgg	agatctagca	gggaccaggc	agatctctgc	caagtcgttg	gtttcttaaa	4200
ggttttgctc	ataattcccc	ttttcttttc	tctttcgttt	ttttcttttt	ctttctttct	4260
ttctttcttt	tttttttttt	gagacagagt	ctcactctgt	taccagggct	ggagtgcagt	4320
ggtgcgatct	cagctcactg	caacctctgc	ctcctgggtt	caagcgattc	tcctgcctca	4380
gcctcccag	tagctgggac	tacaggcgcc	tgccaccatg	cccggcta	ttttgtgttt	4440
ttagtagaga	ctgggtttca	ccatattggc	caggctggtc	ttgaactcct	gacctgtgga	4500
tccgcccgct	tcggcctccc	acagtgcctg	gattacaggc	gtgagccacg	gcgcccagcc	4560
agtttccctt	ttccatgagg	cctccctgac	ctccatactc	tactcctcca	cctggcccac	4620
tcagctctac	tttttcttcc	ccatagcact	caagacctcc	taacatacta	cgtaagttat	4680
ttatttacta	ggcttactgt	gtattgtctg	tcttctctta	ctagaatgta	aactccatga	4740
gaatagaaat	ttttgccttt	ttatttagtg	tggtgtctgc	agccccggc	ttagtccctg	4800



gcatacaaca	gtcactccac	ccacagttgc	tgaataagtg	actaaagggtc	cctgccctca	4860
tattgttatg	agggagtggtg	catgttggtta	gagaaaaatc	tgaggcacia	taaaatttta	4920
tagagtttaa	gttttctttt	ttaagcaatc	cacgaattgg	ggtagtttca	gaggtagttt	4980
ttcagtcacg	acgtatttca	atggcttcac	tgagcccaag	ttctttcacc	tctctaggac	5040
tttatttcct	tattttctaga	acggggataa	cacatagttc	ataaggcagt	tatgagagta	5100
agggagctgg	tatgggggtga	tgcataagga	caggatagag	cagtgggtgag	accgctcaga	5160
tgacaaagcg	tcagagacca	gtattttacga	cggaaatgtg	gaagcatgat	aaagaaatta	5220
tttgggctgg	gcacaatgac	tcacaactaa	taaaactttg	ggaggccaag	gtgggaggat	5280
cacttgactt	gcagaagggtc	aaggctgcag	tgagctgtga	ttttgccact	gcactccagc	5340
ctgggtcaaca	gagtgaagacc	ctggctcgaa	acgttattttg	attgggttaca	gtttatcacgt	5400
tgcccttattt	gggtctatttc	atttgaaagt	tcctagttct	ataattttta	gtttgttggc	5460
tgtttctgat	tggttaagct	taagttttgt	tttcctttta	tacagttaag	tgccccataa	5520
tgacattttg	gtcaaggaca	gaccacatat	acagtgggtg	tcccataaga	ttataatgga	5580
gctgaaacat	tcctattgtc	tatggcgtag	tggtcctgat	gttgtagcgc	aatgcattag	5640
ttatatgttt	gtggcaatgc	tggtgtaaac	acacctactg	cactgccagt	gatataaaag	5700
aatagcacat	acagttatat	atagtacata	atatctgata	atgataatac	ataactatat	5760
tactggttta	tatattttact	atattatttta	tctttattttt	atttttgaga	cagagtctca	5820
ttctgtcacc	caggctggag	tgcaagtggcg	cgatcctggc	tcaccgcaac	ctccgcttcc	5880
tgggttcaag	tgattctcct	gcctcagttc	cctgagtagc	tgggattaca	ggtgtgcacc	5940
atgacaccct	gctaatatgt	tttgtattttt	tagtagagat	ggggtttcac	catgttggcc	6000
aggctggctc	tgaactactg	acctcaagtg	atcaccccg	ctcggcttcc	caaagctctg	6060
ggattacagg	cgtgagccac	cacgcattgg	ctattttata	ttattttaga	gtgtacgcct	6120
tatacttata	aaaaaaagct	aactgtcaaa	cagcctcggg	caggctcctc	aacagatatt	6180
ccagaagaca	ttgttatcat	aggagatgac	agctccgtgc	atattattgt	ccctgaaaac	6240
cttctagtgt	ggaagtggaa	gacagtgata	ttgatgatag	gacccagtgt	aggcctaggc	6300
taatgtgtgt	gtttgtgtct	ttgcttttaa	caagaaagtt	taaaaagtta	aaataaaata	6360
caaaaatttt	taaatagaaa	aaagctgccc	aggaacaatg	gctcacacct	gtaatcccac	6420
cattcgggga	ggccaagggtg	ggtggattgc	ttgagctcag	gagttcaaga	ccagcctggg	6480
caacatgggtg	aaaccccatc	tctacaaaaa	atacaaaaat	tagccgggtg	tggtggcatg	6540
cggctatagt	tccagctaat	cgaggggctg	aggtgggagg	atcactgggg	gggagggtgt	6600
tgaggctgna	gtgagctgtg	attgnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	6660
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	6720
nnnnatattc	ttaaaaaaat	ttttttttat	ttttgagaca	gaattttctc	cttgttgccc	6780
aggctggagt	gcaatggcgc	tatctcagct	cagggcaacc	tccacctcct	gggttcaagc	6840
gattctcctg	ccttagcctc	ccaggtacag	gcgcccgcga	ccatgctcgg	ctaatttttg	6900
tatttttagt	agagatgggg	tttcaccatg	ttgtccaggc	tggtcttgaa	atcctgcctc	6960
aggatgatcca	ccccctcgg	cctcccaaag	tgctggaatt	tacaggcgtg	agccactgtg	7020
cctggcctcc	tttacatttt	tttaaattta	attttaattt	tttaattttt	aattttctcat	7080
atatatatat	ttttaagact	agccaagtga	agcagtggga	gtggaaaagg	aactgggttt	7140
gatcaatagg	tgtaaacacc	actgcactgg	gaccagccta	ttttacattc	ctgttagcag	7200
tgatgagggt	tcactttctt	tgtagcctca	acaatatgtg	tcgttgccca	tctttttttt	7260
tttttttttt	tttttttttg	agatggagtc	tcactctgtt	gcctaggctg	gaatgcaatg	7320
gcatgatctc	agctcactgc	aacctccgcc	tcccaggttc	aagtgattct	tgtgtctcag	7380
cctcctgagt	agatgggatt	acaggcgtcc	accaccacgc	ccggctaatt	ttttgtattt	7440
tcagtagaga	tgggggtttca	ccatgttggc	caggttggtt	tcgaactcct	gacctcaagt	7500
gatccgcccc	cctcggcctc	ccaaagtgtc	gggattacag	gcatgagcca	ccgcgcccg	7560
cctgcccata	tttttttttg	tatagccatc	ctagtggatg	taaaagtttt	ttgtgatttt	7620
gatttgtgtt	tccctactga	tcaatgatgt	tgagcatctt	ttcctgtgct	tattggcttt	7680
tggtatatct	ttggagaaaag	gtctattcag	gtcctttgce	cactttaaaa	ttaggttatc	7740
tttctattac	tgagatgtac	gagttcttta	tgttctagat	ataagtctcc	tacatatgat	7800
ttgtaaaaaat	tttccttcca	ttattgggtt	gtctttcact	ttcttttggg	gtccttttagt	7860
gcacaacagt	ttttaatat	gaagtccaat	tttctatttt	tctcttttgc	cacttgtatc	7920
ttgggtgtcat	gtttaaggaa	ctattgccta	atctcaggtc	acaaagattt	acacctgtgt	7980
ttcctttctt	ccttccttcc	ttccttcctt	ccttccttcc	ctccctccct	ctctccctcc	8040
ctccctctct	ccctccctcc	ctccttcctt	tcctccctcc	ctccctccct	ccttccttcc	8100
ttccttcctt	ccttccttcc	ttccttcctt	ccttccttgg	tccttctgac	ggaatcttgc	8160
tctgtcaccc	aggctggagt	gtagtggcac	gatcttggct	cactgcaacc	tctgcctcct	8220
gggttcaagc	aattctcctg	cctcagcctc	ctgagtacct	gggactacag	gcacacacca	8280
cagtgcccag	ctaatttttg	tatttttagt	agagacgggg	tttcaccaca	ttggccagga	8340
tggtttcgat	ctcctgacct	cgtgatccac	ccgccttggc	ctcccaaagt	gctgggattg	8400
caggtgtgag	ccaccatgcc	cggcctgtgt	tttcttagag	ttttgtagtt	ttagctctta	8460
tagttagatc	cttgatccat	tttgagttga	ttttgtatat	agtgtgagat	atccacctgg	8520

tgttgtaa	tgcccaga	tgggtatg	tctaaatct	gctgttag	attactaga	8580
gtgaccaa	tgaat	ctttgtt	ttttttt	ggagacaga	tctccgtca	8640
ccaggctg	gtgcaatg	ttcatcttg	ctcagtgca	cctctgcct	ctgggttcaa	8700
gcagttct	tgccctcag	tcctgagtag	ctgggtattac	aggcgtgtac	caccatgctt	8760
ggctaatt	tgtatt	gtaaagatg	agtttcacct	gttggccagg	cttttctgga	8820
actccggcc	tcaagtgate	catctgcctc	tacctcccaa	agtgcctggga	ttacaggtgg	8880
gagccaccgt	gcccagtcct	tttctcagaa	tttatttgtt	tttttttgtt	ttgtttcatt	8940
tttgagatag	ggctctcactc	tgtcagctag	gcaggagttc	agtgggtgtga	tcattgctgc	9000
agccttgaac	ttctggactc	acgtgatctt	cccacctcag	cctcctgagt	agctaggatt	9060
acaggcatgt	gcttccacac	ctggctaatt	ttttaatttt	ctaggactta	tttgtccatt	9120
cttgcaaagc	aggggtacaac	atgcctatct	ctacctacct	ctcttccctt	caagggactc	9180
cagccaaa	ccttgaggct	ctcgggctga	ctgtgggtgc	tgttgccctga	tctgcctcag	9240
tcatgctgca	tgatcaaaag	tgtccgtttt	ctgcttcttg	gaactttatt	cactttgggt	9300
gtcagtcctt	ctctgcagtg	tcccaagaac	acagaattag	accaggaatc	tgtgttgcca	9360
tagtgtgtgg	aaagaggcag	acttccaact	ccgctatgtg	ctgttgggtg	attgaagctt	9420
aattttcttt	ctatctttct	ttcttttctt	ttcttttttt	ttttttggag	atggaatctc	9480
gctctgttgc	ccaggctgga	gtgcagtggt	gcgatctcac	ctcactgcaa	cctccgcctc	9540
ccaggttcaa	gcgattctcc	tgccctcagcc	tcctgagtag	ctgggattac	aggtgcatgc	9600
caccatgccc	ggctaatttg	tgtaat	gtagaaacag	tgtttcacca	tattggtcag	9660
gctggctctcg	acctcctcac	ctcaggtgat	ccacccgcct	tggcctccca	aagtgtcggg	9720
attacaggcg	tgagccaccg	tgccctggcac	ttaatttctt	taataacctca	attaccccat	9780
atggtaaaa	gggactagta	atccatactt	tatagcgctg	ttgtgaaaat	gaaatgaggg	9840
taagcagata	aaatttcaga	ctacggatgg	gattgttact	acattctgaa	cctggctttg	9900
ctgttatttg	ctatgtgacc	ttatcttctc	tggatctcca	ttctttccaa	gtctataaaa	9960
caaagtggac	aattgtcaac	ctttcttcca	aagagcaatg	atttaaggat	caaagtatgt	10020
catttaacaa	aaatatgaag	agctcaacaa	atgaggaact	cattattatt	attacaatta	10080
ttattat	agaaataggg	tcttgttctc	ttgcctaggc	tggagtccag	tgggtataaac	10140
acagctcaat	gcattcttcag	cctcctggat	acaagtgate	ctcatgtctc	atccccctaa	10200
gtagctggga	ccacaggcat	gtaccaccac	gcacggctaa	ttttttat	tttattttta	10260
ttttttgaga	cagtcttgc	ttgtcgccca	gactggagt	cagcagcgca	atcacgcctc	10320
actgcaacct	ccgcctcctg	ggttcaagtg	attctgctgc	ctcaacctcc	caagtgcctg	10380
ggattacagg	cctgtgccac	catgcccggc	tatttttttt	gtatttttgg	taaagacggg	10440
gtttcaccat	gttgcccagg	ctgatctaga	acccctggcc	tcaagtgate	cccccttctt	10500
ggcctcctaa	agtgcctagga	ttacaggcgt	gagcctctgc	acctggcctc	ggctaatttt	10560
ttattttttg	tagagacagg	ttctcactat	gttgccaggg	ctggctctga	actcctgggc	10620
tcaagtgate	ttcccacctc	agcctcccaa	agtgcctgaga	ttacagatgt	gagccactgt	10680
gcctggcctg	gaactcatta	ttgaagcatt	cactagtatc	aactttgggg	ttacctggcc	10740
acatcctctg	acctacctat	aagggtatca	cagctaaccg	agcctctgtt	tctcagaatt	10800
taggcagaag	cagttcaatt	tatcacaac	tactctatat	ccagcataag	tgcccaata	10860
aaacaattgc	taaagtctt	taggcattta	ctggttgtta	gttagatatt	tagtcctcac	10920
tacaaatctg	tgatacaggt	attattttta	ttaaccccat	tttatagaag	agaaacctga	10980
agctcagaga	tgctaagtaa	cttgtgcaag	gtcacacagc	tagtaaataa	agggcagagt	11040
aaagatttag	tttcacattg	gactccagaa	cctttctact	gggactcatg	ggaatagtgt	11100
ggatgtccct	gaccttcagt	ggcccagggc	tctcctgggg	gaatccagcc	atagacaaga	11160
caccagcgag	agcccaatcc	taagattttg	tttgtttgtt	tttgagacaa	ggtctcactc	11220
tgtcaccaga	ctggagtga	gtggcatgat	caatgctcac	tgcaaccttg	atctcccagg	11280
ctcaagcaat	cctcccacct	cagcctcctg	agtagcttgg	actacagggtg	cacaccacca	11340
cacctgacta	attttaaaa	tttatttta	taattactta	ctattatttt	ttgagacagg	11400
gtatcacttt	gtcacccaag	ctggactgca	atgggtgtgg	ctcagctcat	tgcgtcctcc	11460
acctcccagg	ttcaagtgat	cctcccacct	cagcctctgg	agttgcaggg	actgcagggtg	11520
tgcgccacta	tgetcagcta	atgtttttat	tttttgtata	gatggggtct	cactatgttg	11580
ccagggttag	tctcaaacctc	ttggactcaa	gcgatcctcc	tgtcttggcc	tcccaaagtg	11640
ccgggattac	aggcataaac	caccacaccc	aacccttaag	gtgtttttgc	tgaatgtgac	11700
catgtcagag	gcaggaaagg	gaagcatcat	gggggttagga	aagggaacact	gagcagggag	11760
acaaagaaaa	tgggatcatt	ttgtgagtg	tcgctgtgtg	tgtatgtgtg	acaattctca	11820
gagccagcct	ctcagggtgg	tgagaccaca	gtccccattt	cccagatgag	ataatggagc	11880
ctcagagagt	ttctgcagca	cagctagtgg	aattagaatt	tgaacctggc	tcttccagac	11940
tccaggtgct	tcacaacctat	cccaaacctc	gtcatttgca	gtttaccttc	atgattttac	12000
catttccctt	tgccatagct	agtgttattt	acttaataat	tccttttgaa	tcagtctgct	12060
taaaaaaaa	tagcttcatt	ctaaagtgtg	atattcttgg	aatatcgggt	ttgctgttac	12120
ccacccccac	acgttatata	tatacatgta	tgtttctaat	acatatatat	gtacgtatat	12180
acgtgtatcg	ttttttgtta	ttttttttgt	tgttgttagt	tttttttaga	tggagtctct	12240

ctctgtagcc	caggctggag	tgcagtgggt	tgatttcggc	tcaactggaac	ctctgcctcc	12300
tgggttcaag	cgattctcct	gcctcagcct	ctggagtagc	tgggattaca	ggcaccacc	12360
actacaccg	gctaattgtt	gtatttttag	tagagacagg	gtttcaccat	gttggccagg	12420
tgggtcttga	actcctgata	tcaagtgtat	cacctgcttt	ggcttcccaa	agtgtctgga	12480
ttataggtgc	gagctactgc	ggctggccaa	tgtatgtttt	taatacacat	tcaaataacg	12540
aataactatg	aaacctgaaa	aactgtctca	tgttacttcc	tgaacccatc	ttgagtgtct	12600
acatgctgtg	cataccacat	attgggaaac	actgctttcc	ctggcttcca	agcccagctt	12660
aatcactgtc	ccatcctatg	cttcgcttta	tttgtctata	aatggtgggg	ttgggggttg	12720
atgccaaaga	cctttttctgt	tgtcattaac	atggacacag	ctctaagagg	tcttggcatc	12780
ttgggctggc	tctcctttta	gttcagaatt	tggattttta	tccaactact	cagagtgtat	12840
aagccttcct	tatgaatgaa	ctcgttggtc	aaactcataa	aaggctgtat	gataaaacag	12900
gaatgaatgt	atgaattgac	actaagtcct	tagcatttca	cgggaatgga	ttctccgtta	12960
gtggaagagc	acatgtcctt	tctggcactg	atgtgtgctt	gggaaactta	ctgagctaac	13020
tggcccatgt	aacacagagg	cccttttggtg	cagtggaaaa	ctgttgactt	tggagattat	13080
cttgagtttg	aatctgagcc	tgcctgttaag	aagctggcta	actgaattgc	tttgcttctt	13140
ggacccttac	cattttataaa	atggggacca	ttgtactcac	cctttagggt	tattgcatgg	13200
attaaatggg	attctctata	gaaaatatgt	gcacaaagta	ggtgtaaatt	tgcacgctag	13260
tgggattgtt	tgtgagggaa	attgtcattt	gattatcaaa	gacttaggag	caggaacagt	13320
gtctaattca	gggactgcaa	atggaaatgc	cagctgaggc	caggcatttg	ctaataattg	13380
ggtaaagcag	ggcaggtgta	gaatagcaat	gtctgggaat	taaaagagag	gtgaggacgt	13440
gtctgacctt	gagaaggcaa	gccctggcaa	aaggggatgg	cctccactca	gctacagtca	13500
tgcctagatc	ttctaacttt	ttatttttat	tttatttttt	tgagacggag	tcttgctctg	13560
tcacccagcc	tggagtgcag	tggcgcgata	tggctcact	gcaagctccg	cctcccggtt	13620
tcacgccatt	ctcctgcctc	agcctcccaa	gtagctggga	ctacgggcgc	ccaccaccat	13680
gcccggctaa	tttttttttt	gtatttttag	tagagatggg	gtttcaccgt	gttagccagg	13740
atggtctcga	tctcctgact	ttgtgattta	ccctccttgg	cctcccaaag	tgctgggatt	13800
acaggcttga	gccaccgcac	ctggccgata	ttctaacttt	ttaaagagaa	gcaagacatc	13860
tggattttta	tgtgataact	cctgatttta	aactggcacc	caattataat	ttacaacact	13920
ataaggggtca	acattgccag	cagagcaaaa	catgggtggg	ggcaactgct	ggtcaccggt	13980
gtgcagcctc	tgggtctaaaa	tcacttttgt	atttctctct	gctttacgca	ttgtcccagc	14040
acagtgtctg	tgtatagtaa	atatccagta	agtgggtgta	gaatgaataa	accaatgcat	14100
ataaacctgt	agagaggccg	ggcacagtgt	ctcatgtctg	taatctcagc	acnnnnnnnn	14160
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	14220
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	14280
gggtagatca	cctgaggtca	ggagtccaag	accagcctgg	ccaatatagt	gaaaccccgt	14340
ctctacaaaa	ataaaaaaat	tatctgggca	tgattgcagg	tgctctaat	cccagctact	14400
cgggaggctg	aggccggaga	attgcttgaa	cctgggaggc	ggaggttgta	gtgagccgag	14460
atcatgccat	tgcactccag	cctaggtgac	ggagcaagat	tctgtctcaa	aaaaaaaaaa	14520
aaaaaaaaag	aaaaaaagaa	agaaaaagaa	acaatgaatg	agtgtgaggc	tcatggtagt	14580
attggttcct	gagagttagc	aaccttattg	gtcatccag	ccacgaagtg	aaatgggtacc	14640
cctggcttgg	gccaatgaat	gaggaagaat	aatggcaaat	gggggtctat	gcctccaccc	14700
tccaccacta	gggaggtctc	aagcttgaaa	tccagtgaac	agggttttag	gtcctggacc	14760
tggccagtcc	tctacagtc	aagtagataa	gtggaggggt	tgggtcgttg	ggctacggag	14820
atagtgatca	aggccgttac	tctgcaatca	gactcagaaa	tggcctctca	gttacttctc	14880
catttggtgg	tcttttgtaa	gagcagagaa	gaggaaggaa	tttaggtctt	ctcaccctct	14940
gggctgcctg	tccctgctcc	ctgagccatg	gagggctggg	gtggaatatg	gggaataaat	15000
ctgtactttt	tttttttttt	tttttttgaga	cagagtctcg	ctccgtcgcc	caggctggag	15060
tgccgtggcg	tgatctctgc	tcacagcagc	atctgectcc	cgggttcaag	ttattcttcc	15120
acctcagctc	cctgagtagc	tgggattaca	ggtgcccacc	accacgcccg	gctaattttt	15180
gtatttttag	tagagacagg	gtttcactgt	gttgggcagg	ctgggtctcaa	atacctgacc	15240
tcaggtgatc	caccgcacac	tgcctcccaa	agtgtctgga	ttacaggcat	gagccaccgt	15300
gcccggctct	accaatctgc	acattttta	tgacaagggt	caccctccac	tcagtgtcca	15360
ggcatagttc	tgagaagcat	cccacaagga	tgcctctgag	ttcaccctga	caagtccact	15420
agctcttggc	agagacatct	ggcaaatcca	aggcttgaga	catgctggcc	tctctttaaa	15480
gtgcagcaaa	ttttgtctag	agcttggtca	gttaaaattt	tgatgttttg	ttttgcatta	15540
atttcaattt	ttaagaaatg	ttgcattaaa	atgttatatta	tcttgaatag	taaatttctt	15600
agtgtccctt	taattttctt	gtgtgtctga	gttgagagcc	tcccctgcct	gattctagtc	15660
cagaccctgg	ggtgacagaa	gactggtggg	agatgggagg	tgaggagggg	agtgttgggt	15720
ggagaggatg	tgctacagag	actctgtatg	gagcttttca	gagcttttca	tgctgcctgt	15780
ttgccagccc	tgaagctatg	ccttgagggt	gggcaagggt	gcatatccta	gatcagagat	15840
cctcaactgg	ggccattttt	ctccccagag	gacatttgga	aacatgtgga	gacatttttg	15900
atcatctgcg	gggggtggga	gaggggctac	tgacatctgg	tgagtagaga	ccagagggac	15960

cattaaactt	tctacaacgc	ccaggacagc	ccctccacaa	taaagagtta	tttgacctca	16020
catattaata	gcacaaagtt	gaggaacctt	gatctagatc	cacagcacag	aagaaaggat	16080
gtagattttt	cacacattaa	agatgagaaa	gcttgtgcct	gtaatccctg	tgactcagga	16140
ggctgtggca	ggaggattac	ttgagccacg	gaattcaggg	ttacagtga	ctatcatcgc	16200
agcactgcac	tccagcctgg	gtgacagagc	aagattttgt	ctcttaaaaa	aaaaaaagat	16260
gaggacaggc	acagtggctc	atgcctgtaa	tcccagcatt	ttgggaggcc	gaagtgggtg	16320
gatcacgagg	tcaggagttc	aagaccagcc	tggccagcat	agtgaaacct	catctctact	16380
aaaaatacaa	aaaatttagcc	agctacttgg	gaggctgagg	caggagaagc	gcttgaacct	16440
gggaggtgga	gcttgcaagt	agccaaaaatc	ttgccattgc	actccagcct	gggcgacaga	16500
gcaagactcc	gtctcaaaaa	gaaaaaaaaa	aaagatgaga	aagaggaagg	gagagaaaaa	16560
agagagagag	gaaagaaaga	gagaaggttt	tggagtcaaa	aagacttaga	aattccagtt	16620
cttccacttc	ccatggaacc	ttggcaagtt	gccttctctc	tttctctgaa	tctcacattt	16680
tgctctgtg	aagttagggg	ggtacctggt	ggagatgatg	cggagatgag	ggtaggggt	16740
gtgttgacac	ctatgcccct	aggatgggtg	agagcttggg	agcactgaac	ctccctttcc	16800
cctcttgttt	cttcccccca	ttgtctccca	ccagctccct	gggatctcca	cttcaacttc	16860
tgggattcca	ccagcaggag	gctactcctg	gagttaaggc	gtgttgttca	gactggggca	16920
tttttagggg	cataaataat	aattatgcct	ggacaatgga	cataacatct	agggccttct	16980
gaagcaaacc	aggggtgtgg	gtacccaaac	aaggcagtag	gccccaggag	gcaggctcct	17040
gcagtcccag	cagagagcag	ggcacagggt	tgagaagact	gagcaaactt	cattatcagc	17100
tcctttgtcc	cccactctgt	cctggagcaa	tcattctggc	ctcttccacc	ttccccaaaa	17160
accaggtata	aaggctgctt	ctggcccctg	aagccagagg	cactgagagt	ggaggtctca	17220
gactcttgga	aggtgagttc	tttcttggtc	gccagggcag	gaccagtgtg	ggccttggga	17280
agaagcagca	cctcataggg	caaacacgta	ggaggcctgt	ccttaggaac	atcatagcta	17340
agcagacctg	ttcccgcagg	ggcaggagtc	tgggctaagg	gtgatactgg	agagcagcaa	17400
cggagactgg	aagacaaatg	aaatttggtg	cctgagttat	ccctcccacc	attccttttc	17460
tagactctcc	agctcagggt	ctgttcattg	caagaggaga	aagcaatctt	gtttgctctt	17520
taatcaaaaa	attaaacaaa	tattccctct	atactatgtg	ccaggggcta	tactagacac	17580
acaaagacag	ccccagaag	gacgggtggg	tagtgtcctc	gctaaaagac	agtagatatg	17640
caatgcctct	tgctcctgcc	ctttctcctg	ctgggaacag	tttctgctct	tcactctgggt	17700
aagtctctcc	cttccctcct	catgcgtctt	tccttttttt	ccttttttct	acactccctt	17760
cccccgctt	ttatttgac	tcattgaggg	aggaccacag	ccttccctct	ttagctgata	17820
cagctcatct	ccggttaagat	atcacttggg	ctcagaactg	taacctggaa	ctttctcttt	17880
tttgtttgat	ttttttttgt	tggtgtgtgt	tttgtttttt	tttttgtttg	ttttttgttt	17940
tgttttgaga	cggagtctcg	ctctgttgcc	caggctggag	tgagtggtcg	cgatctcggc	18000
tcaccacaaa	ctccgcctcc	cgggttcaag	caattcttct	gcctcagcct	cctgagtagc	18060
tgggactaca	ggcacatgcc	accacgcctg	gctaattctt	gtatttttag	tagagatggg	18120
gtttcaccat	atttgccagg	ctggtctcaa	actcctaacc	ttgtgattcg	cccgcctcgg	18180
cctcccaaag	tgctgggatt	acaggcgtga	gccaccgcac	ccggcaaact	gtaacctgaa	18240
ctttcagaag	gaaaaaccac	ccacctgtta	agatgaaggg	ctggtgactg	ccccaggctt	18300
ctcacacgtg	ctttctccca	ccttcaaaa	acacactcgt	ggtgtcggcc	agaagtccag	18360
ttcttgtcca	tttgtgggtg	tgacccgaga	gatctctcct	tacctaacac	caaggaaatc	18420
ctccagtctt	gtcttcagggt	ggaattccta	ggaaagctcg	agcgacgttg	ctggagctgt	18480
ccacggtgct	ggaactagga	agctcttgac	ctgatggcag	gttaacctct	cttcccagag	18540
aatgatgccc	cccattctgga	gagcctagag	acacaggcag	acctaggcca	ggatctggat	18600
agttcaaagg	agcaggagag	agacttggct	ctgacggagg	aggtgattca	ggcagaggga	18660
gaggaggtca	aggcttctgc	ctgtcaagac	aactttgagg	atgaggaagc	catggagtgc	18720
gaccagctg	ccttagacaa	ggacttccag	tgccccaggg	aagaagacat	tggtgaagtg	18780
cagggaagtc	caaggtgcaa	gatctgccgc	tacctattgg	tgcggaactc	taaaactttt	18840
gcagaagctc	aggtaagtag	tagggagggt	actgcggagg	acctggggga	aaagagagta	18900
cattcagctc	tctgttccct	attcatttag	gtagtggtt	ctcaaagcct	cgcattgcac	18960
agaatcacct	ggagttgttg	ttaaaacaca	gctttctggg	cctcacctgc	acgacttctg	19020
atttaggagg	gctgagggtg	agcctgagaa	tttgcattta	caacaaatcc	ccagggtgatg	19080
atgatattgt	tgggtctggg	agaaccaccg	atttaaacaa	aaggcttttg	tgtagaaac	19140
gcctgtgtta	aattctgggt	ctgcctttta	ttagctgtgt	tacctgggca	agttgctttg	19200
cctttcaaag	cttttagcacc	ttcatttgta	aaacgaagat	atatagcacc	aacttcttag	19260
agttgtgggt	agcattaaat	gagataatac	atgaaaagtg	tttggaatag	tcactgggct	19320
gtaataaact	ctcaataagc	ggtggttata	attattatga	gtattatcat	ttcctgtagg	19380
attgtcctga	cagctaatta	agaagcaaaa	gataggatta	agggaggcaa	gtaggtttat	19440
ttttaacctg	aaaagggatg	ccgggctcct	gcctggagac	tcagaaactt	gaaataaatg	19500
agaggaattt	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	19560
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	19620
gttagcacat	agccagaaca	tctagaaggg	gtggtaggag	tggggattag	aggttccagc	19680

tggaggcaat	ggcacttgca	aaggctttgt	tgaagtggcg	taagtgtgga	ggtggagcat	19740
tcaggaaagg	agagcttcag	cttcagtggt	gctggagtg	tgggtgtgaa	gagaggtgaa	19800
gatgaggctt	ggaggctggg	cagattttgc	tccaaaagag	cttgggtgaac	tgtgataaagg	19860
agtttggatt	ttctcctact	aaggacaaca	gcaaaactatt	gaagagttta	aatcgttcag	19920
tgacaatgac	acgtttgcgt	tttgggtggct	cactcgagct	gccagccagg	tagacagtgg	19980
cagaagatgg	aagataaagc	actaaagggt	gatgaggcag	gaagccagtg	aggagagaaa	20040
ggggacgatg	tgagtgcacg	taaatcattt	gttgggttgc	tattgtgtgc	taagctctgt	20100
gctaaattct	tcacgtgtat	tatttcagct	aatccatcta	acaactctgt	aaggcaggta	20160
caatcgttcc	cagctgaaga	agctgaggct	ctcaaaagct	agtaacttgc	ctaagttcat	20220
gcagcatgca	agttgtccag	ccaggattct	aacttagaca	ccagaggcca	cttttaacca	20280
ctgctctagg	actgggggaa	atggtcccta	gtgagatatg	tgtcgagttt	catatttcat	20340
tcaacaatat	tggttgccctg	ctacatgtga	agagctgtgg	aaagcgccca	aagtgaagta	20400
gatccctatg	agcaagtggg	atgggggtgg	agtggacagt	aggagggtcg	gaacacacat	20460
aaaagggtat	aagaaataac	aattaggccg	gccagggttg	gtggctcacg	cttttaatcc	20520
cagcactttg	ggaggccgag	gagggtggat	cacttgaggc	caggagtttg	agaccagccc	20580
ggccaacatg	gtaaaacccc	atctctacta	aaaatgcaaa	aattagctgg	gctggtggtg	20640
cacgcctgta	atcccagcta	cttgggaggc	tgaggcacga	gaatcacttg	aaccaggag	20700
gcagaggtta	cagtgaactg	agattgcacc	actctactcc	agcctgggag	acagagtgtg	20760
accctgtctc	aaaaaaagaa	aacaaaacaa	gtaggtactt	tctgccatag	ggaggattca	20820
taaactgcta	gtcctcaggt	gcatttttgc	ttatcagttt	taaaaaatcag	agaatgtctc	20880
aaagaattag	gatgtcagct	tcttttgaaa	atttgggcca	gaagcggtgg	ctcacgcctg	20940
taatcccagc	actttgggag	gctgagggtg	gtagatcacc	cgagggtcagg	agttggagac	21000
cagcctgacc	aacatggcga	aaccccgtat	ctactaaaaa	tacaaaaatt	agctgggctg	21060
gtggtgcatg	cctttagttc	cagctactca	ggatgctgag	gcatgagaat	cacttgaacc	21120
cgggaggcag	gggttacagt	gaaatgagat	tgcaccactg	cactctagcc	tgggagacag	21180
agcaagaccc	tgcttcgaaa	aaaagaaaaa	gaaaatttgg	aagatctgac	aacagttgac	21240
ctgcattcct	gctcggcaac	agcctgatgg	tggatgggca	gaggctcagt	tgtctgccaa	21300
acctcccatc	actgatgtct	tccctcgctg	tcatcatctg	cttgacatgt	aggcatttgg	21360
tgtgtgcctt	ctgctctggg	tgccagatg	aattggatgc	tatatgagaa	aacattctgt	21420
aaatgtcttg	tggtaggcaa	cctcaaagat	cactgggggc	tccaatgatc	cctccttcc	21480
ggtattcatg	cctgtgtata	atcctctccc	ttagtggtgt	actacacctg	gatacttgct	21540
tctaataaac	agaacacagc	aagggtaatg	ggatgctact	tctaaggtta	aattacaaga	21600
gtgtaaagtc	tgtcttgttt	gtttccctct	cttgatcttc	ctctcattct	ctctctctcc	21660
ctctctctca	ctttcttact	gtcttgtcct	tccctttgtt	tactctgatg	aagcaagcta	21720
gcaagcatcc	atgttgtgag	ctgacctatg	aagaggccca	tgtggtggta	aggaactgag	21780
ggcagcctct	accagcaag	gaactgagtc	actcatcata	tgggtgagct	tggagacaaa	21840
tccttcccca	cttgagcttt	cagatgacgg	cagccctggc	tgatgctttg	caggcttgtg	21900
agagaccctg	agacagaaca	ctcagctaag	ctatacccta	tctcctgaga	tagagtataa	21960
tacatgtagt	tttaagctac	tatgttttgg	gataatttgt	tactcagcaa	tagataacca	22020
atacatatac	catgtacata	actgtttcag	ttgtctgaga	ctatatattag	tcattttaca	22080
cctacatcaa	gaatgtgtca	ggcaccattc	caggtaacttg	gaatacatca	attaacagaa	22140
taggtaaaga	ggccaggcat	agggtccaca	tctataatcc	cagcactttg	ggaggcccg	22200
gtgggaggac	tgcttgagcc	caggagtgtg	gaccagcctg	ggtaaaaatag	tgagacactg	22260
tctcaactaa	aaaaaaaaaa	aattagttgg	gcacagtggc	acatgcctgt	ggtgccagct	22320
gctcaggagg	ctgagggtgg	aagatcgctt	gagcccagga	gtttgaagct	ccagtgaagg	22380
acgggtcaca	aactgcactc	tagcctgagc	aacagaaaaa	gaccctgtct	caattaaaaa	22440
aaaaaaaaaa	aaaaggaaag	aaagaaaaaa	ataggtaaaag	atccttgatt	cttgccctct	22500
tggaaacttct	attctagagg	gggatggttt	ttcacagtag	aagtctgtgt	tgacagcgct	22560
gtttaaagct	ccttcagcat	ctggggaaaa	ggttnnnnnn	nnnnnnnnnn	nnnnnnnnnn	22620
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	22680
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	22740
tgaactcctg	ggctcaagca	atcctcctgc	ctcagcctcc	tgagtagctg	ggaatacagg	22800
tgtgcaccac	catgcctggc	ttatttcata	tatatataat	tttatatata	tgtatattta	22860
tatatataaa	tatatatata	atttctgtat	ataaataaat	aaatatatat	atatatatat	22920
tttttagagat	agggctcttg	tatgttgacc	accagggtct	gaactcctgg	gctcaagtga	22980
tcctcctacc	tctgcctttc	aaagtgttgg	gattacaggc	gtgagccatg	gcacctaact	23040
gagttatttt	taccacacga	agcataggac	atacatccaa	aaatgttctg	agctgagcaa	23100
gagcctggag	gcaagtgaat	ctgaactttc	ccgtctttga	agaaaccagt	ctctctccaa	23160
agtcacatag	ttagtgtcac	tcccccaag	aactgcatag	gctggggacaa	tcagagggca	23220
gtggaaggct	tggggctcag	gggcgcccc	tgctgtctcc	ccagggtctg	tccccctacg	23280
caagagcctc	tgtcccccca	ctttcctgtg	gagcctcctc	accatgggca	tgaccagct	23340
gcggatcatc	ttctacatgg	ctgctgtgaa	caagatgctg	gagtaccttg	tgactggtgg	23400

ccaggagcat	ggtgaggcac	cgctgaggcc	cctggggggt	gggggcacag	gcgggtcacc	23460
ctggctgagc	tccccacacc	atacgtttcc	ctaccacacag	agacaaatga	acagcaacaa	23520
aaggtggcag	agacaggtag	ggctatgaaa	gcagggccct	ggctcacgcc	caccccactg	23580
caaccgcctt	ctcagggggc	gggactcctc	taggcctggg	cccacccagg	taaccctttt	23640
gtgggatgta	agagtctggg	ttcagaggaa	ggctattttg	gtgctctctg	gcctccgctg	23700
gaaggggtga	tagtgctccac	tgagtgccag	ttcctgaccc	cactgccctt	cccatcctgc	23760
ccagttgggt	tctactcctc	cgtcttcggg	gccatgcagc	tgttgctgct	tctcacctgc	23820
cccctcattg	gctacatcat	ggactggcgg	atcaaggact	gcgtggacgc	cccaactcag	23880
ggcactgtcc	tcgagatgac	caggtgacct	gcctgtacag	ggatgggtgac	agcaagtggg	23940
caggcagtg	ttttcatttt	ctctgtgctg	ttacatccag	cagcttggtg	ctttctccca	24000
agaaccctag	gagatcaggg	gtacctcccc	atttttacaga	tgaggaaact	gaggctagga	24060
agggacctgg	cttgcttaat	aataagaata	gctaattgcag	agtgctgact	gtgcacttgg	24120
caccttgctt	tgttttagtcc	tacaacacct	ctttgaggta	gatgcgttaa	tatcttcatt	24180
ttgcagttga	ggaaaccgag	gtacaggggt	gcacagttag	gtcattcacc	caagatcaca	24240
cagctttcag	tggcagcctc	cagaacctgt	gttataaggg	tacacgctaa	agtcttggtt	24300
gggctagaat	aggtagagtt	ggtatatattg	atattttattg	ctgtataaca	aatcacccca	24360
aggcttggca	ttttaaaaca	acaaacacct	ctcatctcat	acagtttctg	acagtcagaa	24420
atcagggaga	gactcagccg	gctgattctg	agtcacagtc	tctcatgaag	acatagtcag	24480
gctgtcagcc	agggctgcag	tcctctgaag	ggctgactgg	ggttggagaa	tctatgtcag	24540
ttcaattacc	cccatggcct	ctccataggg	ctgctcagga	cacagcacct	gctttccctt	24600
gagcaagag	gctaagcgac	agagaccccg	tatcttctct	cacataatct	cagacgtagc	24660
ataccatcac	ttctgtttacg	ttctattata	ggcacagagc	aacctgata	tactgtggaa	24720
ggagactgga	caaagcaggg	gaataccagg	aggcaggatc	cttgagggt	gtcttggttg	24780
ctggagacca	ccattgaggg	tttttttttt	tttttttatt	gagacagtct	tgctctgtcg	24840
cccaggctgg	agtgcagtg	cacgatctca	gctcactgca	acctctgctt	cccagggtca	24900
agcgattctc	ctgcctcagc	ctcccgagta	gctgggatcc	accatggagt	cttgaacca	24960
gattctgtga	ctgcttttgc	tctttttgtg	ttcatccaaa	cagtcctctg	ttatcctaag	25020
aggatgggag	aaagagactg	ggagagaagg	aatccagtg	gcctccctcc	ctgctagcag	25080
agcctggccc	tggcactgag	ccttctctct	ctaccctctg	ctcctaattg	tgagggtccc	25140
ctagcagggc	ccttctgtcc	aggacacatg	ggcgcctctg	cctcacccca	gcctactgac	25200
ctctctccctg	ggctggcctc	agtgcctctg	attgtgccgt	agagaggaag	gcctggagag	25260
tcaggccaag	ctgctgtccc	caggagggca	tctgcttatg	tctagggcag	ggacaccttc	25320
ctgaggactt	ctgatgagag	acgggtgtgag	agcttcccac	ttcccacctt	ccttcccctc	25380
cttggttctc	aaaccttcaa	gtgtgcatga	gaatcactta	gtgggggata	tttgtccaaa	25440
tgagattttg	cagatatccc	cgctgagatt	ctgagggccg	agatgaggcc	tgtgaatctg	25500
catgttaaga	aagcaccgcg	tttgatgcgt	gtgtcattgg	gtaggggagc	aacactttga	25560
gaaacatgga	gctagagaac	gtgggtttct	atgggtttcc	catagaaaaca	tggattttctg	25620
tgttttctgc	tgccctgaca	tgaaggcac	atctgaaggg	ggagggggcca	ggccaagaac	25680
cagggagtcc	tgggaacgta	gaggcagcag	cagtgacttc	cccgtactcc	tcagggcagg	25740
ggttgctacc	aaatccatca	gaccacgcta	ctgcaagatc	caaaagctca	ccaatgccat	25800
cagtgccttc	acctgaccca	acctgctgct	tgtgggtttt	ggcatcacct	gtctcatcaa	25860
caacttacac	ctccaggta	ccaccttcat	ccttcccctc	tccctgcctc	ccgaggctcc	25920
tccaaaggga	tgggtccatcc	agcacctgcc	ttccaggaag	cgcagtctctg	gtcttctgat	25980
ctggatctat	tttccgggtt	ctccaggaag	tgtttctagt	agattgggtt	ggcgaggggg	26040
tgggaattga	ggcccagttg	gcctcttcgc	cctaccctcc	cttccctccag	cctccacaca	26100
ctctcctaac	ctcttcactc	tctctttttg	gttttagttt	gtgacctttg	tcctgcacac	26160
cattgttctga	ggtttcttcc	actcagcctg	tgggagtctc	tatgctgcag	tgtgagtctg	26220
ttgggctgaa	atgccttctc	gagctttgca	accgtgatca	gagaacccca	gggaagggtt	26280
gggagggccc	caggcatccc	ctaattgcacc	tctctctgag	accctctgat	ggcagggagc	26340
tcacttccct	aaaggcagcc	tatcctgctg	taattgactc	cccctggttg	agtcttccct	26400
tagaggaagc	tgaataacct	ggcttgatga	cactttgggt	ctatgtctgc	tgtttgaaac	26460
ggcccccaga	atggcctccc	ctccatgccc	accctgaaga	aatttcccaa	gggcagccat	26520
ttgccttata	attttctctc	tcatgttgga	cagtcctcc	ttgcatctct	ctcctgggtt	26580
cccctgctgg	gcgctgctga	gggactctcc	cctgtgtatg	tgatggagta	acaggacatt	26640
acaataatga	tgacaaaatg	acaaccatta	tcaagtgtc	cgttgggtgca	ggcagcaggc	26700
aggatccttg	accatcactc	cctgagttca	gcctcactgc	agcgggtctg	gcagagggga	26760
gctctctttc	cttcatctgc	tcaagccaga	accctggagt	ttccttgatg	tttctctccc	26820
tcacactcca	tgttcaactc	atcctcagta	cagccagcag	cagcttctac	acaccccaaa	26880
tctgaccctt	cttgtaacct	ccactgctgc	ctctccagtc	ctagccacca	acatctctag	26940
cctggattat	tgtggcagcc	tttagtctcc	cacatctgcc	ctggccccgc	tgtctcagtc	27000
tatttttaac	acaggggctg	cagtcacctg	tcaggacata	agtctcttca	catcactctg	27060
tgggtgtcctg	tctcatctgt	ctcagagtaa	aagccaaagg	ctttactatg	gcctaaaaag	27120



ccttgcaagc	tctggcecca	gcacttcaact	cccctctagc	tccccctcct	ccattgttca	27180
ctctgccaca	gccacagtgc	tccctagtg	tccggaagtc	tcaagtgtgt	tccctgcttg	27240
gcatctttgc	atgtactagt	ccttgtttct	agaacattct	tctccagata	tctgcaaggt	27300
gccaatctt	accttctctc	cttcttcagg	tcttccctg	actgtcctct	tctcagtgg	27360
gctcccttg	gctgtcccat	gtacaattgc	aacctcccta	ctgcccgtt	ctctgcttg	27420
tttttctcag	cgtttatcac	taacactctg	cctatctctt	gcttattgtc	tgaccgccac	27480
ctgctccatg	ggaatgccac	ctcctcgatg	gcaggaatct	gttgacttgc	ttgatcgagg	27540
tatctccagc	acctagagca	gtgcctggca	catagtaggt	tctcagctaa	atgtttgttg	27600
acagaataca	gtggacagtc	ctgcgaggtc	aatgccatcc	ctgttattag	tggaggaagt	27660
ggggctcagg	gagtttgagc	cacttgccaa	tatcacacat	acaggagggtg	tgagaacca	27720
gctcagtggc	cctgaagttg	gagcatttgc	cctcaaggct	ggggaccaa	gagcccatgc	27780
aaagagccc	aacgcttaag	caccaccctg	cctggccagc	ggggnnnnnn	nnnnnnnnnn	27840
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	27900
nnnnnnnnnn	nnnnnnnnnn	nnnncccaact	gcgcctggcc	cattactttt	aatggcaaaa	27960
accacaatta	cttttgcacc	cacataaata	gttaccatgg	gctgagcatg	gtggctcagg	28020
cctgcaatcc	cagcactttg	ggaggctgag	ccaggcggat	cacttgaggc	caggagtcca	28080
agaccagcct	ggccaacatg	gtgaaacccc	gtctccacta	aaaaatacaa	aaattagctg	28140
ggtgtggtgg	cgctgtccctg	taatcccagc	tattcaggag	gcagagggtg	cagttcactg	28200
aaatcatgcc	actgcactcc	agcctgggag	acagaatgag	actctgtctc	aaaaataaat	28260
aaataaataa	ataaatatatt	accatgtttt	gaccacctgt	tatgtgcaa	ctgtattact	28320
taaaaacacc	catgggaggc	tgggcacagt	ggctcacgcc	tgtaatcgga	cactttggaa	28380
gggcaagcgg	ggaggatccc	ttaaggccag	gagttcaaaa	ccagcctagg	taacacagta	28440
agcctgtct	ctacaaaaaa	taaaaaaatt	aactgggcat	ggtggtgtgt	gcctgtaacc	28500
ccagctcctc	gggaggcaga	gggagagggt	cgcttgagcc	cagcagtttt	aggttgagc	28560
gagccaggac	caagacacta	cactccagcc	tgagtgcag	agcaagacac	tgccctctaa	28620
caaacaacaa	aacaaaagcg	acctgtgggt	aggtaggaac	aggctcatag	tacagatgag	28680
aaagcagagc	ttggaggggt	caagcgattt	gccaagcaga	ggtccaagcc	gaggtctctc	28740
tgaatccaaa	gttaattccg	tctatcatat	caccacagcc	ctctctgccc	caggggagagt	28800
ctctgcccac	tccagccact	cacgtgtaat	tgacttctct	aggggcagga	aaggcttcga	28860
tgggccagtt	gagggtgcag	ttcagaaaga	taaggcagcc	caggccagac	cagggtgaaca	28920
tgatgaccac	gaaggccaca	ccggcatcgt	agatcagctg	tgagaggagg	gggcaggccc	28980
gtgggggaga	tgccctggcc	ccagacccca	ccaaggtaga	tcccaggcct	cagaggcctt	29040
aaagaagttc	tcttctcccc	ttgtccttgt	gccaattttg	cagatgagga	aaccaagacc	29100
agaagtttag	agtcagactc	agaagaccca	tcattccttt	ttctttttca	cttgaggccc	29160
cctagagagc	tatgaaatag	tctccacaaa	gcctgaagtt	gctggccact	ggctcaaaat	29220
atctctgaaa	tttccattat	cttaaaaaaa	tacatacatt	tttgccctatg	actccacaaa	29280
cattcatggt	catgttcgca	caaaaatgtc	catttcatag	tacgtacaaa	ggaaacttag	29340
tgctctaggt	ttaccggggc	taatcggtgt	tatcctgccc	cttccctggca	cattccccag	29400
gggaaaaggc	aaaccagagc	tgctcatgct	cagccttttc	tcacctttcc	caggctcctc	29460
cacgtgcaac	aactgggggg	gttggggaga	gggaggtgca	agtgtctctg	ccaagggtct	29520
tcaaccccag	ggcaggtaag	ttctcaattg	aatgagattc	tgtgcaaatg	tgtagccctt	29580
tcttatggaa	gaagctgatg	caccatctgt	cctcttgtcc	tcccataacc	atctgaccag	29640
gataattaat	gtctgtctct	ccctcaggct	cctgtcaca	cctttttctc	tgagctcttg	29700
gaccttggtg	ccttttctct	cctaggggca	ggacagagct	tcaaaggggc	acacccccaa	29760
atgtgtggag	gtaagatctg	gctcttcaaa	cactacttca	gttgaaaaga	agggagaact	29820
gccaccctc	catgcctgcc	caccagaaca	actgatggcc	ccccaccca	tgcgctctct	29880
caaactcctt	tggagacact	gagcaaaaagt	accttcttta	gtactctttg	taaagtgcac	29940
aacggtatgc	agtttggtac	tgcccaccgt	ggaggttgag	gagcatggca	tggctcaaag	30000
ggtcctttga	tatttgacag	aggaaattga	ggccccatc	ttgactgag	ctaaaacttt	30060
ggtcccctgg	cttcgaggta	caccaggttg	acctgtccag	gatccagcct	ggcataaact	30120
cactttgtga	ccttggaaca	aaccacccat	cctctctgga	aggtgtggaa	aaatgtggcc	30180
ccaaaggctg	aataaagcca	gagagtcagg	gaccttgaa	gcatgtgaag	gggctggact	30240
tgattctgta	ggtgaagcta	aaccactgaa	ggtttttcag	cagtgtgtga	gccagttccc	30300
catctgagat	ctttctggaa	gtcacgtgag	tgacagagta	cagagaaaaa	gaatcagagg	30360
caggagagacc	agctgagaaa	gcttgctgtg	gcccaggaga	gagggggaag	gcctgcattg	30420
ggatgatgac	agagaaagga	gagcggagaa	gtcagacccg	tgggtcagca	ctagctgctg	30480
ctcactcggc	cccaccgggt	tcttgtgtca	agacaaaaag	aaaaccagag	tggcctcata	30540
ccttgattcc	tgggaacgta	atggcagaag	aggcgtaaga	gccaatcatg	agggccatta	30600
acgtggagcg	caggttcccc	aacatgtttg	gcagctgagg	agggaaagca	gcacccatga	30660
ggtggggaca	ccgtgaccct	tgcccagcct	tccagccct	gctccataca	atagctccag	30720
gagacgcagc	agaaaagccc	caaggtaaaa	caaacagaaa	aatcaatgtg	ggaaactgta	30780
ctctgcccc	tgcctacaca	gtcacagtgc	ccttttagctt	caaaaaggct	cccagacacc	30840

cctcagagag	acatttttgtt	aatttttgttt	aattccaggt	ttcccaagtt	tgttacgtaa	30900
cacctctgaa	aaacacatgg	aataggtgct	taagaaacac	tgatcttggc	tgggcgcagt	30960
ggctcatgcc	tgtaatccca	gcacttttgg	aagccgaagc	tgggtgggaag	cttgaggtca	31020
ggagttcaag	accagcctgg	acaacatggt	gaaaccccat	ctccaccaa	aatacaaaaa	31080
ttagctaggc	atggtggcat	gcgctgttaa	tcccacctac	tccagaggct	gaggcaggag	31140
aatcgcttga	acctgggagg	tggaggttgc	agtgagccga	gatcgacca	ctgcacttta	31200
gcttgggtga	cagagcgaga	ctatgtcccc	accccccaa	aaaaaagaaa	agaaaagaaa	31260
gaaacagtga	tcttgtccaa	cccatTTgag	atgagacaat	tgagaccag	ggaggaaaaag	31320
tgtactcaag	ttcacagagc	acattaatgg	ctttctcccc	attgtcgttg	tcccagccct	31380
aaccaaggg	tgtgaccatg	gctgtgtccc	ggtaataggc	agtgcctctt	aaccctctcg	31440
gttgacgtcc	cagcccagtt	tctgcctaata	caggacaaat	cacatcctgg	gaggtgaggg	31500
tggaaataag	ggagggaact	gagccagggc	agacagtctc	cagaggaggt	ggctctgacg	31560
cagagcaggg	tcagaaccca	caccaggaga	gaatttaatt	gatcatgtgt	tccactcacc	31620
tgcctcagcc	aagccctcag	ggcaggggaa	ggcaaagtca	ggatgccttt	cgcacacacc	31680
ctcctctggc	cccaccatcc	tccccaaagt	actagatccc	acagctgaga	aggaccttag	31740
gatccgtaca	aagcctaata	acactccaca	gagggggaaa	ctgagactct	gaaggagggc	31800
ctcaacagct	ctggtaaaaa	aggcgttttag	gccgggcgca	gtggctcaca	cctgtaatcc	31860
cagcactttg	ggaggccgag	gcgggtggat	tgcctgagct	caggagttcg	cgaccagcct	31920
gagcaacacg	gtgaaacccc	gtctccacta	aaatacga	aaattagccg	ggcgtggagg	31980
cgtgcacctg	tagtcccagc	tactcgggag	gctgaggcag	gagaattgct	tgaacctagg	32040
aggcagaggt	tgcagtgagc	cgagatcgcg	ccactgcact	ccagcctggg	cgacactgcg	32100
agactccgtc	tcaacaacaa	aaaaaaaaaa	atggtgttta	aacacatata	actaaattat	32160
ccttccccct	tcccctgaag	tggctggctc	aggaaaaacc	tctaccact	caggcagagg	32220
ttttcctgca	ccctgcatac	gtgaggcacc	actgccagg	acgccaggga	aggctgccag	32280
gcctggagag	gggcaggggc	ccctccccct	caaggggcca	caaacgctgt	ctgcgcccag	32340
taccgtgggt	aaggcgaggc	cggccggcta	accccggtc	ggcggccttg	cagcgtgcgt	32400
ggcaacagca	gctgggcccg	caagactcag	cacgggacgt	cctcgtccaa	gtctgggcca	32460
agagcagcgg	cccagggggc	ggggccggcc	agaggagcgg	gggagaggct	gagggggcgt	32520
gccagcgccg	gaccctgcc	ttggctggag	attacaggag	gcggggacat	agcagggagg	32580
agccgctgga	caagccccac	ccggccgcc	gggagggtct	gaggtcaaga	gccggagaga	32640
agggatttag	ggccctgggc	caagtgtcac	agcagggaga	aggggctgcg	cagaggggcg	32700
gggagaaaag	gatccgcttc	cttcccttag	agctgtgaaa	tgtccccggt	tggaaattaaa	32760
ggcggctgct	ggggagagggt	gaaattcagc	caaaaccacc	cagtcaggca	gcccttctca	32820
gagataaaca	gtccgagcca	gcccggccag	gaaccttccc	ctccaacctc	cctaagcctt	32880
taacactcct	aagcctttta	cgcgtttaca	cactcacata	aataaacaca	ctttgagcaa	32940
cacacataca	ccactcacca	catgtaatag	gtcaagccat	gtgcacgacg	aggtgtcgac	33000
aatttcatat	ggttcaacct	agtacactca	caaacacacc	taccaactca	tggctttcac	33060
agggacgggg	tcacacaccc	actctcccac	gacatggcaa	gcgtgcacac	gctatctcaa	33120
gctgtcctct	ccccctcaag	atcatgttac	ccagttttat	tttcttccca	gcacctatga	33180
cgactgacat	aattttattag	tttacttgtt	tatttgggta	tctgtgcccc	tcacccccaa	33240
aatgtaacct	ccagcaggga	ggatgactcg	gtcagtcctg	attgtgctgt	agtcaggagc	33300
ctagaacaga	gctccatgga	cattcatggg	ctctgtacac	acaaacacac	acattaacat	33360
acaccccgac	acacagcctc	atccacacac	acacagcctc	acacctgctc	tttgacgcca	33420
cctgcacagt	ttctcacaca	ctcacttgat	ctagtgatct	gcgtccacag	gcccctcccc	33480
cagcccactc	atactgccct	caccccactc	actctgccct	caccccactc	gggggaactc	33540
tgctgccagg	ccaggcctgt	gacactcacc	gtgagtgaag	tgaacgttag	gcagatgcc	33600
ccaaagccat	tcaggggacag	cgccaggaat	atcaacggag	acagagctgg	aaaggggaaa	33660
gcagcagatg	agggcatttg	gggagctgtg	ggaagccaag	ggcgggagct	ggggtaaaaa	33720
tccgccttca	tcccacctat	tcttttcttg	tggggccaca	agaggacaga	caactcacct	33780
tcacagctcc	gggaggccag	ggccatgagg	gtgcaggacg	cagtgaagca	ggcactgtgg	33840
agacacaggg	aagggcgagg	gggtggcctg	tgagcaccac	ccctccccct	ccctgcagc	33900
acggctccctg	tcctcccggt	ccccatagcc	cagccacctc	acctgccaac	cagccgcacg	33960
ggctcgggggc	caaagcgggt	catgaggatc	cccagtgcca	gggtgggtgg	gctgagcacg	34020
aaggaaccaa	tgggtgaagc	caggttgagc	atctcgtcct	gctgggtcaca	gcctggccac	34080
ctgcgctgct	catcctgggt	gggtgttggtg	ctgctctcag	ctgaggaggg	ggaagggagg	34140
gctcagcaca	tgacaccagg	aacagctggg	cacaggagac	agcagcccac	agtcaggcgg	34200
cctgctttca	aatcccatgc	caagtgcctt	tgggggtacc	ctagagtcac	atctcctctg	34260
atggggctgc	tccagaaatg	gcagccatta	gtacctgacc	ctgggagagt	cttgtgcaca	34320
cacagcctga	ggcttcaact	agctcaaatg	aaatactgga	cataaaaagta	tttactaagt	34380
tgtaatatgc	actcagtgtc	caagcttagg	gggttgtgga	cccccaacaa	gaagtgcctc	34440
cataatctaga	ggcaaaggca	aaggcagtga	gtgggtactct	aatggctata	acaagaattc	34500
attaaaatgg	cccgcgctgg	tagttcatgc	ctgtaatccc	accactgtgg	gaggctgaga	34560



caggcagatc	gcttaagcct	acaagtttga	gaccagcctg	ggcaacatgg	taaaacccca	34620
tctctaata	aaaaaaagaa	atttagaaag	aacactaaaa	cttagaggaa	gctttcccga	34680
taaatgatag	tctgataaaa	taatagctaa	tacttattga	gcacttaact	atgctccagg	34740
cactgttata	agtcagttaa	taaagtatcc	cgttccctag	gtgatgaagc	tgaggcacag	34800
aatgagaacc	aggcactgcc	ctccagtcce	ctctagaagt	ccacttggag	gacttgtcct	34860
taacggtaaa	ctgccaaact	ggagtttgta	caagttaagg	agaaaagcta	gtgataggag	34920
acaaagggct	gcttcgcttt	actcaatgct	cannnnnnnn	nnnnnnnnnn	nnnnnnnnnn	34980
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	35040
nnnnnnnnnn	nncccccc	cccccccc	cctccctccc	tccccctctt	ccttccttcc	35100
ttccttctct	ccctccatct	tctccacacc	tggatatcat	atacagaagc	agagagggact	35160
gcacttgggt	aaagtttcaa	ttctcctgtg	tggagagggt	agcactgagg	aaggggtggg	35220
ggctgtcaaa	ggagacttac	ccaatctttc	cagcccacca	atcccttgcc	cagtgtttct	35280
ataaaaataag	ggcctttttg	atctgattta	agtaggaagc	tgattcctga	gcccctcaga	35340
tctgtctgaat	cagatagcta	agggggccct	ggaatctgca	ttttagcaag	cggagggtggg	35400
ttatgaagca	ctccaaagtt	tgagacacgc	ctcaaagggt	gagtggttct	gtggggggca	35460
gaaaggaaaa	tgcaaagggg	gaaggggtca	cacttgggga	aggtttcaga	caataccgag	35520
tggaaagggg	ctgtgccagg	gtggggagta	acagatagag	gaggcaagg	gagtgagagc	35580
caagccagac	cggggaggag	ggggccacag	ccaagggtgag	acaggtcagc	agccagaaac	35640
cgaagcagac	acttgcaggg	tgacccccgc	cctctcttcg	tggcaatctg	agaccgagga	35700
cgtggagacc	ctggagagcc	cccaaccttg	tttctggggg	gtgggtcaga	gaggaagcct	35760
ctcatccccg	ggcaccagcg	gccttcccgg	gaggtcaac	acgcagatac	ctggataggc	35820
gtccatcact	cccccgcca	gagcccacca	acgctcctcg	aggtccgacc	ttgtccctcc	35880
ttctacccca	cagtccccag	tcctagctca	tctgcataaa	gctccaatta	acatgttttt	35940
cctttgctat	ttgcatccc	agaactcggt	ccccaccccg	agcccgtttc	ccgccgcttc	36000
ctcgccccctg	ggaggggcgg	cccattaacc	ctcgcgacc	gggcgcctcc	tggcggtcct	36060
gacccccgca	ccccctcccg	cggcgggggg	ctgggggtga	ggggcgcc	ctggggcaga	36120
ggattgcgcg	gcagggtctg	ccacagggca	gagggcaggg	ctctccggga	aaaaggcagg	36180
cgcatatatg	ccccctttc	tgggaaaaga	cggggagggg	ggcttctcct	gggagactcc	36240
aggcttcgaa	attcctcggt	ccctatcctc	cggcccccg	acccctcctc	ctccccgcca	36300
cgcaccctct	ccccccccca	gccatctggt	ccactccgca	gcgcgcgac	aaacacgggt	36360
ccagctcgct	tccgccctg	cccagcccc	tccccaaagg	ccggggagtg	ggggagtgag	36420
cagacgcct	tctcctagga	ggccgggaatt	tctgcctcca	tctcccaccg	gggtccgggt	36480
ggccagaggc	aagcttcgag	acccccacc	aaccaccacc	accgttgca	gggcccgtga	36540
ggctgcagat	aacgcttgca	aggaggggag	tcggggaggg	tgtagggcga	gtttaaaggga	36600
cgggcagagc	aagccccggg	aaaggcgagg	ggttttccct	ccgggtcg	gccccccg	36660
accctcggag	ccagccgag	ccacgcagcg	ccgcctgccg	ggcacacca	ggacctggcg	36720
cgcacgtggc	gcttaccccc	acccccgggt	ccgctcctgg	ctcgcgctca	gcctccccag	36780
actattcgca	aattgaggat	cccgacaca	gagtgcagag	accccgcaa	gcctactgaa	36840
agccagccga	acccgctggg	gggtgctagc	caattctgat	tttgtacttt	acaaaaacaa	36900
aaaaagtcag	tgttggaagt	cgggagtcgt	ggctcagagc	agcagggatc	tgcatgtga	36960
ctttgccaa	tctccagacc	cctgaggaca	ggttttcccta	tctgaaaacg	gaggggacag	37020
tctctcttat	taactttctc	agagaaacaa	agacaaaggg	agggaaaatg	gcttagctgg	37080
aatgtgtct	tacagagcca	acctttggag	gtgggggaga	tggccaaggc	ctctgaggtc	37140
actcttgccc	ccaggagcag	ctgagaaccg	gaaagaagct	tgggacctcc	tttctgcaga	37200
gctatccttt	ccacagactg	ccgaggttcc	aaattgagct	ccaccacctc	acactgtgtg	37260
cccttgggtg	tgtgccttaa	cctctctggg	cttgtttctc	acagcgacaa	gaaagaatga	37320
caacaccaac	ctcttaggct	atagtttgga	taaaatgaga	tagctgtgta	gaacagacag	37380
atcctaaacc	aatgttagtt	ttcccttcat	ttggggactt	gctctaacct	ccagggtcta	37440
tgtcccagag	gcacaagcag	gtgcagggct	ggataaataa	ggtatgtctt	tctgcaggat	37500
ctcttgtcct	cactgatggg	gtcttctctt	gatatagata	atttttaaag	ttcactgtat	37560
ttatttattt	acttttaaag	ctcactttta	tgtaaagggt	aaatgtaaat	atagataaac	37620
aggaagctc	aaaatttgca	taaagtttta	agataaaaat	ggagactcca	aaaaagtggt	37680
actttcgcca	ggccctaggg	atgctatggg	gggaagtttg	agtcataact	tagcattctt	37740
tctaaagcat	tctgtcctaa	tctctgttat	ggagaaaagc	cagcttctctg	gatgtacccc	37800
aaatcctggg	aagtaggggg	caggagctgg	actccctcca	agcactaagg	gcagggcag	37860
gttgggaaca	gggaggtgag	ccagacagcc	agaggcgaac	gggctggcat	gccaaagctc	37920
ctagttaatg	cccagctgag	cctgggtgaa	gaaggatggg	gggtggggga	agacaccccc	

accgctagaa	ggagataaga	ggcaccctgg	tctcctccaa	cccaaggagg	aagaaagctc	38340
aacccctcta	ggatagggac	tgtcttcagt	caatggagcg	ttgacttagg	gggcgttttt	38400
gaagggtttt	tttcctcctt	tttgcagtc	ttacaaaaat	agaacttctc	ttgggtattta	38460
taaatctacg	gccatggctc	tatgtgcatg	ttacaggtag	aaaagccata	tggggcactc	38520
cttttggttg	ctcaggcctt	gattgcctgt	catccagggtc	ccttggtctg	agaagtctat	38580
gcggtcacct	cagagccgct	aagcaccttc	agtgggcca	tccattggc	ggcgactcc	38640
tgctggagcc	gggcacggta	atagaagagg	taggaaggca	acaggaatcc	caggagttag	38700
aatagcagga	ggcccagatt	cacctttagg	gcaaggagag	agaaacagag	tcaagttaggt	38760
agtcacatgc	ccttagcctc	ccacaggagg	gagaaggcgg	ccatttttct	ccaggctcctg	38820
agccagaata	aatacagcta	gtacttatta	tgtgtagtca	ttgttccacc	agtatctcac	38880
ttaatgttca	gcaattctgc	aaagtggctg	agatgagact	tctcaggtat	aacaagtggc	38940
agggcctggg	gggtgcccac	accatatggc	actcactagg	taggtatgag	gaaggcacag	39000
cactgtagga	gtctgggctg	gtcaggctgc	tcccgaatg	gggccttctg	ggctcaccct	39060
tctgaccttt	ggagatgtta	accaatggga	tcccgttcag	gggtggcgaga	ggaggctctc	39120
agacacagtt	caaggaactg	ggatgcacag	cctgggtggac	agaaggcttg	gaaggcccag	39180
gacacgcggg	ctctgactcg	gttcacatcc	cactctgcat	tactcactgt	gtgactttgg	39240
gcaaataatg	gcaattctta	ctgagtgcct	ccttctcagg	gctgttgtgg	cgaagatgta	39300
agttaaaaaa	aagtatgcat	catgcttagc	acatagttag	tgcttggtta	atagaagcag	39360
ttatttcatc	acaattcttt	gggaggagg	tttacgtgtg	gggtggcccca	cagggcagat	39420
gaaagatcag	cgtcaggagg	gcagatgagt	tcaatgtaag	gaaaagactt	actaacagca	39480
gcagggtctc	ctcgtgcagg	agtgggtgct	ctaccactga	gggtatctaa	gctaagagg	39540
aagggtcccc	tttcaggggt	gctggagaca	ggatcccaca	ctaggtagaa	ctggattgga	39600
ccaatgggtg	ctgaacacag	gccccagagt	caggactggc	cacttcacaa	agcacctgga	39660
gtttactaaa	aacagactcc	taggaggtca	ggcactgtgg	ctcacgcctg	taaccccagc	39720
actctgggag	gccaaagtga	gaagatcatt	tgaggccagg	agtttaagac	tagcctgtgc	39780
aacatggcaa	gaccctgttt	atctgtacaa	aatttttttt	taaaaaatta	gccaggtagt	39840
gtagccatca	cctgtgggtg	cagctactca	gaaggctggg	gccggaggat	cgcttgagcc	39900
caggaatcag	aggctgcagt	gagctgtgat	tttaccaccg	cactccagac	tgggcaacag	39960
aacaagacac	cttctctaca	aaaaaaaaaa	aacaataggg	ccgggcgcgg	tggctaaggc	40020
atgtaatccc	agcacttttg	gaggctgagg	agggcagatc	acgaggtcgg	gagatcgagg	40080
ccatcctggc	tagcagggtg	aaaccccgtc	tctactaaaa	atccaaaaaa	aaaaaaaaaa	40140
ttagctgggc	gtgggtgggtg	gcgcctgtgg	tcccagctac	ttgagaggct	gaggcaggag	40200
aatggcatga	acccgggagg	cggagcttgc	agtgagccga	gatcgacca	ctgcactcca	40260
gcctgggcaa	cagaatgaga	ctccgtctca	aaaaataaaa	ataaaaaata	ataaataaat	40320
aaaataacaa	taaattaaaa	acaaaaacag	actcctacgg	tcaggctgag	atattctgat	40380
tcaggggact	ggggaatctg	tatttttaac	actccgtgag	gggttctaaa	aggcagacaa	40440
cttggaacc	tgcagattag	agacctctga	ggtgcctctg	gctgagatga	gtgagggatg	40500
gcaccacata	caaggcccta	cccctgcccc	caggagagtg	gctcctgctc	ccccacacc	40560
aaccctcgct	ctcaccacga	agggtctctc	tttcaggggt	cccaccatcc	ccatgaaaaa	40620
tggctgctga	agcaaggcga	acacagcact	ggtgagggac	tgcaggcctg	tcagcgtccc	40680
aaaagggggt	ggatgggaac	ctgtcccca	aacgggagat	caaagggtgg	tgggggcctt	40740
tcagcccagg	caagaacttt	ttcttttctc	tcccaacatg	ggnnnnnnnn	nnnnnnnnnn	40800
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	40860
nnnnnnnnnn	nnnnnnnnnn	nncactccag	cttgggtgac	agagtgaac	cctgtctcaa	40920
aagaaaaaaa	aatctttaaag	aataaggata	taaagaaaga	aaatatTTTT	gtgtagctgt	40980
tcaatgtttg	tatttcaagc	caagtgttat	tacaaaacag	tcaaaaagttt	ttaaaaattt	41040
aaaagtttat	aaagtaaaaa	agctaagtaa	gctagggtta	atttttttat	cgaacaaaga	41100
aaaatatctt	tgtataaaact	tagtgtagtc	taagtgtaca	ttgtttttat	tttatttatt	41160
ttttattttt	ttgaaatgga	gtttcactct	tgttgcccag	gctggagtgc	aatggcatga	41220
tcttggtcca	cggcaagctc	tgtctcctgg	gttcaagcga	ttctcctgcc	tcagcctccc	41280
aagtagctgg	gattataggc	acccgccacc	atgcatggct	agtttctttg	catttttttt	41340
ttgaaatgga	attttgctct	ttgaccacgg	ctggagtgc	atgggtgcaat	ctgggctaaa	41400
tgcaacctcc	acctcccagg	ttcaagagat	tctcctgcct	cagcctcctg	agtagctggg	41460
attacaggca	tgcaccacca	cactcggcta	atttttgtat	ttttagtaga	gacagggttc	41520
tcaactaaag	agaaccatgt	tggccaggct	ggtctagaat	tcctgacctc	aggtgatcca	41580
cccacctcgg	cctcccaaag	tgctgggatt	gcaggcatga	gccaccatgc	ccagccagta	41640
tacagtgttt	ataaagcctc	cagtagtgta	cagcaatgtc	ctagaccttc	acattcactt	41700
actactcact	cactcactca	cccagagcaa	tgtccagtc	tgcaagctgc	atgcatgata	41760
agtgcctcat	ataagtgaa	cattttttta	tattttatac	tatatTTTTA	ctgcaccttt	41820
tctatgatta	gctacacaaa	tgcttaccat	tgtgttacaa	ctgcctacag	taatcagtac	41880
agtactatgt	atgggtttgt	agcctaggct	ataccatgtt	gcctacgtgt	gtagtcgtct	41940
atactgtcta	gtttgtacac	tctatcatgt	ttgcataaag	ataaaatcac	ctaagtacac	42000

at tt t c t c t g a	g t g t a t t c c t	g t t g t t a a g c	a a c a c a t g t a	t a a a c a t t t a	c a a g a a a t a g	42060
c t c a a a t t t t	t t t t t c t t t t	g a t a c a g g g t	c t t g c t t t g t	c a c c c a g g c t	g g a g t g c a g t	42120
g g c g c a a t c t	c g g c g c a c t g	c g a c a t c t a c	c t c c c c g g t t	c a a t c g a t t c	t c c g g c c t t a	42180
g c c t c c t g a g	t a g t t a g g a c	t a c a g g c a c g	c a c c a c c a c g	c c t g g c t a a t	t t t t t t g t a t	42240
t t t t a t t a a g	a g a t g g g g t t	t t g c c a t g t t	g g c t a g g c t g	g t c t c g a a c t	c c t g a c c t c a	42300
g g t g a t c t g c	c c g c c t t g g c	c t c c c a a c a t	g c t g g g a t t a	c a g g c a t g a g	c c a c c a t g c c	42360
c a g c c a t t a c	g t t t t t t t g g	t t g t t t a a t t	t t t t t t t t t t	t a a g a g a c a g	a t t c t c a c t c	42420
t g t c a t c a a g	g c t g g a g t g c	a a t g g c a c a a	c c a t a g c t c a	c t g c a g c c t c	c a a c t c c t g g	42480
g c t c a a g g g a	c c c t c c t g c c	t c a g c c t t c c	c a g t a a c t g a	g a c t a c a g g t	g t g a g c c a c c	42540
a t g c t c a g c t	a a t t a t t t t t	t a t c t t t t a t	t t t t t g t a g a	g g g g g g g t c t	t t c t a t g t t g	42600
c t c a g g t t t g	t c t c a a a c t c	c t g g g c t c a a	t c a a t t c t c c	t g c t t t g g c c	t c c c a a a g g g	42660
c t g g g a t t a c	a g g t g t g a g c	c t g a a a a c c t	t c t a g t g t g g	a a g t g g a a g a	t a g g c c c a g g	42720
c c a c t t a t g t	t t t c a a g t t a	a g c a a g g t t t	a g g t c a c t t a	t g a a g c c t g a	c t a g t t t t g t	42780
t t g c t t a a g g	g a t c t g c a g g	c c t g a c c t c g	g t t t t c a t t t	g t t t t a a c a g	t g t c t a t g t g	42840
t a t g t g t g t g	t t t a t g t a c g	t g c a t g a t g g	g g g g a a a g c t	c a g a a a t c a a	g t a a g c c a a a	42900
c a c a a a c a t g	t a a t t a t a a g	c a g g g a t a a a	t t c t a t g a t g	a a g a a g t a t g	g g c c a c g g g a	42960
g a g t a c t t g t	g c c a g t c t g g	t g a t c a g g a a	c a a t g t c c t t	t g g g a a g t g a	c a t t t g a g c c	43020
a t g c c c t g a a	g t a c g g t a g g	a g t t g g t t a g	g g g t g a g g c a	g t a a g a c c c a	g a g c t g g g g c	43080
t t c c t g c a c a	a g c t c a g c t g	g g c a c t g a g g	a c c c a g t g g a	c t c t g c t a c a	g g g c a g t g a g	43140
g a g c a g a a a g	g c t g a g g a a g	g c t g g g t g t g	g t g g c t c a c a	c t t g t a a t c c	c a g g g c t t t g	43200
a g a g g c t g a t	g g g g g a a a a t	c g g t a g a g c t	c a g g a g t t t g	a g a c c a g c c t	g a g c a c a t a	43260
g c a a g a c t c c	a t c c c t g t a a	a a a g c t t t t a	a a a a t t a g c t	g g g t g t g g t g	g t a t g c a t c t	43320
g c a g t c t c a g	c t a c t c a a g a	g g c t g g g g t a	a g g a t t g c t t	g a g c c t a g g a	g g t g g a c g c t	43380
g c a g t g c g c c	a c g a t t g t g c	c a c t g t a c t c	c a a c c t a g g a	g a c a a a g c g a	g a t c c t g t c t	43440
c a a a a c t g a a	t g a a t a g g c t	g t g t g c g g t g	g c t c a c t c c t	g t a a t c c c a g	c a c t t t t g g a	43500
g g c t g a g g t g	g g t g g a t c a c	c t g t g a t t g g	g a g t t t g a g a	c c a g c c t g g c	c a a t a t g g t g	43560
a a a c c c g a t a	c a a a a a t t a a	c t g g g c a t g g	t g g c t c a c a t	c t g t a a t t c c	a g c t a c t c g g	43620
g a g g c t g a g g	c a t g a g a a t g	t c t t g a a c c c	g g g g g g c a g a	g g g t g c a g t g	a g c t g a g a t c	43680
g c a c c a c t g c	a c t c c a g c c t	g g g a g a c a g c	g a g a c t c c a t	c t c a a a a a a a	a a a t a a t a a t	43740
a a t a c a a a t t	a a a a a a a a a t	t a a a a g g c c a	g g g a c a c t g	g c a g c c t g t c	c a a g g t t t c a	43800
g g t c a c t t t a	g t a a a g g g a g	a a c a a t g g c t	c c t c c c a g g a	c c t c t g g g a t	c t c a g c a t t g	43860
a t a c g a c a g t	c a t g g a a a t g	c t a g g g c c c a	g g c a g a c c a t	c t c a g g g a a a	a c a a g t g g c t	43920
c t g c c c t g c c	t t g g c c a c t t	c c t g g c c c t c	t g c a t g c c c c	a g g g t c t c a g	c a c c a a g c t g	43980
t t c t c a g t g a	g t a g c t c t c a	t t t a g t g c c a	g g g c t c t c g g	g c t t a c a t c c	t a c g a t g a c g	44040
a t g g a a t g c a	t a a a a g a t g g	g g c t g t g a t a	g c c c a g a g c t	a g g g g t t t g a	a t c t c a t g a g	44100
a t g t t c a t g g	a g c c c t g g g a	g g g a g c t c a g	t g c a a g t t c a	t t t c t c t t t t	t t g g t t g a g a	44160
t g g g g c t c a g	a g g a g g a a g g	a c t t g t t c a a	a g a c a c a c a g	g g a g t g t t t c	a g t g t g g g a c	44220
g g a g g t t t a t	g g a g a a a g g g	t g a c c a t c c a	a g g c t t g g a c	a a a g a t c a t g	a c t t c g a c c a	44280
g c a a g c c t c a	a c t c t g t a g a	c t t g g t g g g g	g c c a g g c c c t	c c c a a a c a c a	c c t g a c a g g t	44340
g t c t g t g g t c	t t g g g g a c a t	t g t c g c t c c c	c t t c t g c t g	a t g c t c t g c t	g t c c c t c t c c	44400
c a t g a a g c g t	a t c t c t t c g c	c g t c c c c c a t	c c t t g c t g a g	a g a g g a t g g g	t t c t c t t c t g	44460
a c c a a t a c t g	a a g a t c t t t a	g t a a a g t t c t	c t t t t t t t t t	a t t t t c t g a a	a g t c c c t c t c	44520
t t g a g a a a t c	a g g a c a a g t g	a g t c a g g g c c	a g g a c a a a a a	a c a g t g t g g g	a c g a g t g t g g	44580
t g g c t c a c g c	c t g t a a t c c c	a g c a c t t t g g	g a g g c c a a g g	t g g c g g a t c a	c t t g a g g t c a	44640
t g a g t t t g a g	a c t a g c c t g g	c c a a c a t g g t	g a a a c c t c g t	c t c t a c a a a a	t a c a a a a a t t	44700
a g c c a g g c g t	g g t g g t g c a t	g c c t g t a a t c	c c a g c t a t t c	g g g a g g c t g a	g g c a g g a g a a	44760
t c a c a t g a a c	c c a g g a g g c g	g a g g t t g c a g	c g a g c t g a a a	t t g g g c c a c t	g c a c t c t g g c	44820
c t c t t g g c a a	c a g a g c c a g a	c t a c c t c t c a	a a a c a a a a a c	a a a a c a a a a c	g a c a a a c a g t	44880
g t a g a c t t t g	t g t t t t t c t c	a a a a g c a c t g	t c a a g c c a g t	g c c c g c a g c a	g t g g g c c t a g	44940
a c a c c t c c a g	t c t t g c c t c a	g g g t c a g t t t	c c a g c c t c c c	t g g a c a c t t c	c c c c a g g t a t	45000
g t g t a c t t t t	t g a t t g t c c t	a a a t c c a g a g	t c t g t g g c c t	g a c c t g g t t t	g t c a c a g c t c	45060
t c a g t c c c t c	c c c a t c c c g a	a t c c c a g g g a	g c c g c a g g t g	t g t g c a g a a g	a g g c a c a c c a	45120
c a c t c a a t a c	a t c t t g c a t c	c t c g c t g g a c	c c a a t c c a t t	g g c t t g g t g a	t g t a c a g a c t	45180
g a g c c t c a t t	a t a g c c g t t c	g t t c c t g t t g	a c c t t t c c a g	a t c a a t c t g c	c a g c t t g g c t	45240
t c t c c g a g t t	t c g c t t g t c a	g c a t t t c t c c	a a t c c c a t c a	t g t a c t t t g g	a c c t c t t t g t	45300
t g g g t g g c t t	g c t t t a t c t g	a a a t t t t c a g	a t t t g a c t t c	a g g t c t c t c c	t t t g t c c c t t	45360
a a t a t g g c t t	a a t g g t g g a c	c c t g t c a g g g	g t a g a g a a a a	t a t t g a g g a g	c c c t g a c t t t	45420
g a g g t g c a c a	a g t t a g a g g g	t t a g a c a a g t	c c a g c c a c a a	c c a g c c c a a g	c t g c a g t g t a	45480
g g g a g g c c t g	t c c a g c t g c t	c c a c g g t t g a	g g g t g g a g c a	t a c a g g a a g g	c t t c c t t c t t	45540
g c t g c a g c c c	a g g t g t t c t g	g c t g c c c t a g	c t g c c t g g c t	t t g g t a g a a g	a a a g a a a g g c	45600
t c t g t c t c t g	a c t t g t c a a c	t a a t g g c a c t	a t g a g a t t g c	a c a t a a t t a a	c c t g g g t c t g	45660
c t c t t c c a a a	a g c c t t g g g c	c t c t g a c t g c	a a c a t g g a g t	c t g g g t a t c a	c t c c c c a t c c	45720

ctgcgccact	cacctgctct	ggcgctaggg	gtgtgcctaa	tcacttaatt	tctctgtgct	45780
gcctcttagg	tatcacttcc	cctgatccca	aatacttacc	aggtgtggga	tgacacctga	45840
ctagttaact	cttgaggata	tctgcttctc	accggggact	ccgaaaccaa	acgaaaagca	45900
aggccaagcc	cagcctaaag	gacgcttcct	acatgacttc	aggcttgagg	gggctggagc	45960
gtgggggtgg	caatggagtt	ggggggggct	caggggaggg	atgtggaagt	gctttgcttt	46020
gcaaactcta	gagaaccgtg	taaataggag	tgattattct	gtcccttccc	tttctttcca	46080
acaggaatca	gcatcccaca	gccccatgtt	agctatgaag	aatggaaact	gaggctccgg	46140
gaggggtata	gggaggagcc	agcaggggtc	tgagttcata	ttagtgcctt	ttcctccata	46200
ggcacatctg	tgttttcttt	tattttattt	tgaatttaat	tttttttttt	tttggcagag	46260
tcttgctctg	tcgcccaggc	tggagtgag	tggcgcggtc	tcagttcact	gcaatctccg	46320
cctcctgggt	tcaagtgatt	ctcctgcctc	agcctcccga	gtagctggga	ttacaggtgt	46380
acaccaccac	accgactga	tttttgcaat	tttagtagag	acagggtttc	acagtgttgg	46440
ccaggcttgt	cttgaaatcc	tgacctcaag	tgatctgcta	gcctcggcct	cccaaagtgc	46500
tgggtattata	ggtgtgagcc	actgcgctcg	gccacatctg	tgttttaaat	gagaggaaag	46560
gggataatgt	gcattttgtg	gaagcttggg	ccgtttgtgt	ctaggactct	tatgatcttc	46620
ataagttttc	ccccagggag	gacactgttc	cacttaggga	gtcaggaccc	ccagtcctta	46680
caagattcag	cctctcaaaa	tggagacagc	agttccaggc	ctgggctggg	ttctgttcac	46740
actaggagag	ggcaagttag	tgggtgttgg	gatgtgggga	agtattatga	aaacagagat	46800
gctccaattc	ctagtgatag	gaaaccatta	agctacttgg	catcttaaaa	ccaagagcgg	46860
ttcaagttct	gagattgtta	acacacctta	caacaccgcc	gccgttatta	ggaagaagct	46920
ctgtttgatg	acgtcccaca	ctgtgggtac	ctttatgaac	aggaatttgc	tttttcaaat	46980
cccagagaag	taagattaaa	gttggctggt	ctccatcctt	gaaaaatttg	gttttaggg	47040
gaattcaaga	atgactgacc	atacagaatg	gggagcaaac	ttgggaagaa	agaaggcaca	47100
gttcagagct	ctcccaatag	tcacccctga	actgcacccg	gaccatcagt	tatctctgtg	47160
ggtagagctc	aggaatctaa	aatccatttt	aaaattaaag	tatatcgggg	ctgggcgcgg	47220
tggctcatgc	ctgtaatccc	agcactttgg	gaggccgagg	tgggaggatc	acgaggtcag	47280
gagtttgaga	ccagcctggc	cacatgggtga	aaccccgctc	ctactaacia	tacaaaaaatt	47340
agccaggcat	ggtggcagac	acctgtagtc	ccagctattc	ggaaggctga	gtcagaagaa	47400
ttgcttgaac	ctgggaggca	gaggttgag	taagccaaga	ttgtgccact	gcactccagc	47460
ctggggcaaca	gagggagact	ctgtctcaaa	aaaaaaaaaa	aaaaaattta	agtatgtcat	47520
acatactggt	acaggcacag	accttaagtg	tacagcccaa	tgaaatttta	cacatctata	47580
cagctatata	actaccacct	atatcaagac	acattccagg	aactcagact	ccatcatacc	47640
cctcctcagc	agaggtaaca	gacccacacc	tctcctgctc	cgggtggaat	taaccactat	47700
tctaactttt	ctatcaatta	gttttgccca	ttcttgagct	tcacacagat	atacattgtc	47760
aggcatgatg	actcatgcct	gtaatctcag	cactttggga	ggccgagacg	ggagtatcac	47820
ttgagcccag	gagttggaga	ctactctgga	caacatagtg	agacccccga	ctctacaaaa	47880
aaaataaatt	agctggctcat	ggtgggtgct	gcctgtagtc	ttagctattt	gagacgctga	47940
gagaggagaa	tctcttgagc	ctgggagggt	gaggctgaag	tgagccgtga	ttgcaccact	48000
gcactgcagc	ctaggtgaca	gagtgagatt	ctgcctcaaa	aaagaaaaaa	tatggccggg	48060
cgcggtggct	caagcctgta	atcccagcac	tttgggaggg	caaggcgggc	ggatcacagag	48120
ctcaggagat	ggagaccatc	ctggctaaca	cggtgaaacc	ctgtctctac	taaaaataca	48180
aaaaaagaaa	gaaaaaaaaa	ttagccaggc	atgggtggcg	gctcttgtag	tcccagttac	48240
ttgggaggct	gaggcaagag	aatgggtgtg	acccgggagg	cagagcttgc	agttagccga	48300
gatcgcacca	ttgcaactca	gcctgggcga	cagagtaaga	ctctgtctca	aaaaaaaaaa	48360
ggaaaaagaa	aaaatatata	tacattgtgt	actttttggc	atctgggtta	ttttgtctaa	48420
tatcacatct	gcgaaattaa	tctacactgt	gtgtatgaaa	ggttgggtct	ttttgttgtg	48480
atgcagtatt	ccgtcgtgtg	actacgggac	aatttgctta	tccgtattcc	tatcgggtgg	48540
catttgggct	gttaccagg	tctggctgtt	atgaataaag	ttgctatgga	tattcttgta	48600
cactacttct	ggtgagcgta	tgcaactcatt	tcgcttatgt	aaatatcttg	ggtggaatta	48660
cctgatcata	aggtagggtg	gttggctttg	taatgtgctg	acttgggtat	gctgaattcc	48720
cttttttttg	tatttctggt	tagagcggaa	catgagggtg	tctcttcagg	gaatctggag	48780
ggtggaaggg	aagcaggagt	cggtttctgg	ctcacacatg	ttgtgactga	actgctggta	48840
cacctgggtg	gcatggagct	ggcttctcct	ttggcggtgc	ctactgttgg	ggcaggtgtg	48900
tatgtgggtta	gctccatgca	atgaaccggg	gcttctgcaa	aatacattaa	caacgacaga	48960
gacaacaaaa	gctgatgtgg	atttaaaggc	ttcagttcan	nnnnnnnnnn	nnnnnnnnnn	49020
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	49080
nnnnnnnnnn	nnnnnnnnnn	cagcagtggt	tctcaactga	gcatagtttt	gcctcagagg	49140
ggacattttg	taattgtctg	agacattttt	tgattgtcac	agcccagccg	agaaggtact	49200
actagtattc	ttttggtaga	ggctagagag	gctgtctaac	atctaacaat	gcacaggaca	49260
ggcctctgta	acaaaagagt	atccagtcaa	aaatgtccac	agtgttgaga	ggtttaggta	49320
agtaggcgct	aaaacataag	gagactgtgc	ctgagagcaa	gaaggagtaa	ttggaaagtg	49380
ctgggtgtgat	tagctctggg	ttttagaaag	ctcatttttg	ctgctttag	acagtgcac	49440

agaggtggag	gaggggtggt	agactggagg	cagggaaagt	aatttgggag	ccactgaaat	49500
gatccaggtg	aaaaacggtc	agcaggtgac	taggaaagt	gcagaggcaa	tggggatggg	49560
tggctggatg	agatggtgaa	gaaagcacta	taactaacta	atgtgtggat	gatgggcagg	49620
aggggtgaag	gatgaccaga	gtcctgcctt	gcaggtctag	ttggaagggtg	atggtttctc	49680
ctgagaaagt	gaccacaaaa	agtgaagcag	gtttgtgctg	gtgtgtgtgt	gtgtgtgtgt	49740
gtgtgtgttg	agttcagtc	gagatgtgtt	ggactcacia	tgtccatggg	acatccaagt	49800
ggagaagcat	cttgggtgac	catatgtgtg	agtctgcagc	tcagaaacag	gcctggggct	49860
ggagatgaag	acttgggaat	gatctgcgta	tatatttggg	agcttgagcc	acaagagtag	49920
atgacataac	ccgtgggtggg	tgtgcagaat	taggagagac	gtgcaccaag	aagccaggtg	49980
atccccata	tttaaccatc	tggagaata	agaggagcct	gccaacagaa	attgggaggg	50040
aatggccaca	aaggctactg	agaaggggaag	cagttcttaa	gaagggggaa	gtgaagaggt	50100
atcactactg	cagaggtcaa	gtaggataag	aactgaagaa	tgtctgttgg	gtttggcaat	50160
ggggtagtcg	gtgggcacct	gggcaaaagc	agttttgggtg	gagcaatagg	gataacagaa	50220
acaagactgc	tatggtaaga	ggaggaagag	ggtgttgagg	aagtggccag	cgagtctaca	50280
ccacttgctg	gaggagcttg	gctttgggtgc	aaagcagaga	agccagctca	ctcattgact	50340
taacctccaa	gaaacacaaa	atcatccata	tcctggctca	aattccagca	ctaccaggag	50400
atggttggcc	cctagaaatg	ccatcccaact	tctcctctgc	ttatcctatc	ctatctgtca	50460
gtctgttgag	cccaggctaa	gcgctacctc	ctcaagcaag	ccttctctgc	ctgccgtcac	50520
actttaagt	atcctgacaa	cactgaaaat	gtgtgtctct	tccattcatg	ttagttctac	50580
acttctgagt	atctcctcaa	tatatgtcct	tgttttacta	atatgctcgt	tctgtttgcc	50640
ttatttatca	gctaccttaa	acctccctgc	aactagagat	tctctttaag	tatttgttga	50700
ataaatgaat	gaatcaatcg	atgatccaga	gcctgttaga	ggcttgtgtc	catgggtggat	50760
gaggctcaga	aaatacctgt	agaatcgaaa	taaatgcatg	tgtgtctctga	tctaaactca	50820
gctaaacttt	ctccaggggg	taaagttcaa	ggtgattagt	caattgatta	attaattcat	50880
tatgtaatgg	aaaaactcct	tctatgacct	gggcagagtt	ataggcagtg	aacaagacag	50940
acaaggtcct	tgttgtcatg	aagtttgctt	tctgaaggag	agagataata	aacaagaaac	51000
cagtaagaaa	gcaagattat	atcatttttg	taaatgttct	tgtggaaata	aatgtgatga	51060
tgtgtaacaa	aagtacacaa	taggagagtg	gggtgggtgg	gcttctttta	gaaagagttc	51120
tcggagaagg	cttatctgag	gaggtggcct	tttaaccagt	acaaatgctt	tagcttggcc	51180
agtggagctg	ggaccaggat	gacaagggtc	actgtcatg	ccagtgagtt	tgagcttgta	51240
gacaagagcc	tgatcatgaa	agactttgca	gatggtggta	atgggtttgg	gttaattgct	51300
actatgtggg	aagactttga	atgggaagca	tggggacaat	ggcctgtgat	acatgttatc	51360
aaatatggtc	gcaggggcta	gtgaggtggc	agcagagata	gggagaagta	gacggactgg	51420
ggaaggtaga	agatggggca	ggggaggcaa	ttactgcaaa	gacatattcc	ttctaagctc	51480
actgagtgtt	catggtctct	gggagcagag	gttcctggag	gggaaagagg	ataatgtcac	51540
ttcctgagga	agcgggaaga	acccatctga	gacgtgggga	ctgtgctggg	tcgtttctaa	51600
ggggccttcc	agatctcaca	tgccaatcgt	cttgggtctat	gtcaattggt	ggggcatcca	51660
aatggggaa	tgttgtccag	gccgatttca	cagaacaacc	gcccagtcga	tatctcccga	51720
gccattcacc	cttgcagtg	cgttagctct	ttcaccagct	tttatctgcc	ccgtggggat	51780
gttgggcaag	cccagttaac	aagcagttga	tcagccccag	agatcaggtc	cctggagtct	51840
gtcacttttc	tgagggtggg	gagagaatcc	tggagcagaa	catgtaacta	gaagggccac	51900
ctggcttcc	atggtctgag	ggagagaatg	gtgggatctc	tggcctgaat	caaacctccc	51960
tttctcagtg	tccatcttac	ctctctgctg	taccttcgtt	attttccagc	agctcctcag	52020
cccgttctctg	tgggaccctt	ctctgccaat	ccctacaccc	actgtaaatt	tcaccgtggg	52080
aggagatgg	gccttgagg	ctgtattagt	cttctattct	gcataacaaa	ttgcctcaaa	52140
tttagcagct	tcaacaact	catgtttatt	agctcatcgt	gagttcatca	gcagtgtggg	52200
cccagcatgg	ctaggttttc	tgtctagggt	ctcacaaggc	taaaatcaag	atgttgtctg	52260
ggctgtgtgc	tcatctggag	tttaggggtc	tcttccaggc	tcacgtgggt	gtggcagaat	52320
tctgttccct	ggagttgcag	ggctgaggtc	ctgttttctt	gtgactgtc	agatgagggc	52380
tgctctcagg	tcctcgaggc	tgcccacatt	gcttgccacg	tgcgtgggtc	tttccatcct	52440
tgaagccagt	gatggagaat	ttcccttgga	ttgaatcacc	cacatgggtg	gactctctga	52500
cttcaggaag	agagccctgt	ctcttttatg	ggatcacctg	attagatcat	acccatagag	52560
ggcagttcct	tttcccttaa	gtcaactgtg	gcatgtaaca	tcacacaacc	acaggagtaa	52620
aatccatcat	atttacagtc	ccagggatta	tgcacagtgc	accaggggac	aactgaattc	52680
tgctgtcaa	aagggccaag	caggacttta	ttggtgaaga	acagtggaa	gtcattcttg	52740
gttcttccag	aaaaaaatca	ctcagtaaag	ttagagggtc	tcttgctttt	tgggaagtca	52800
tcaaagaatc	tcatggagg	tttgacctt	caccttagaa	acatcacacc	atgttttcta	52860
taattgcagg	gttcatggtc	ccttgaagcc	tattcatagt	ttccaggttg	aaaagctctg	52920
ctgcagggtg	tgggagggga	tgacaggtga	ggttaggggt	gaatagtgtg	agctgcata	52980
ctggagctgt	gggtgttttt	ttagtcttta	agctgtcatg	tgttgggggt	tgggcatggg	53040
aggggcatcc	caagagctcc	ttggtattga	caccatctcc	aaggtgatct	ctgctctgcc	53100
tggtgcacac	atgtttttct	cctgttgcaa	cagccactc	ttgtagaaga	gcagaccctc	53160

cagtaccagg	tctgaccctg	gacagcttgt	accaggagct	acagcacact	ccccacaag	53220
cctaaagtgt	ggatgagccc	cccagagaatt	agatcagaaa	agattaaatg	cagaggtgat	53280
ctgtcaggtc	ccctttggaa	gtgctgggat	ggagaggatt	gactgagtct	gttttaggaac	53340
ctccaagctc	tgtagtaact	ttagggctag	aaaggaggat	gcctaagatt	caggatcctg	53400
cagtgatgag	tcaacatttc	ttgggggaagg	aggcagggct	gaggattaaa	cggagatgat	53460
gggtatcggt	ctcttgctca	aaggcactgg	accccaaggc	ctccagctct	tcgctcccat	53520
ttgaaattca	agtcctgagc	acaccacagt	tgtgatgcag	ggaaagaatg	tgcttatcag	53580
agagcctggg	caagtgggccc	ccttggtgagt	accgttcaac	ctcattttatg	tcattggcac	53640
caaaaagtaga	catcagtcct	ttgaaagttt	gattaatgct	ggtcacactc	aaagaccctg	53700
ggtagcattc	atttactaag	caattactaa	ataccagttt	ctgtgctaaa	tgctgcatca	53760
gtcaggggtc	ttaatggcag	gcagcagaaa	ctctccttgg	ctgatctaag	tagaaaaatc	53820
caggactgaa	aggaaaacgga	gtagctcatg	aaattgcagg	aaggggccgga	aaaccagaca	53880
tggagccaaa	gtcaggctgc	agaacaggtc	tagggaggat	cccactgctg	ctgagaccta	53940
gaccttgtgt	ctggcaccca	ggatgtttga	gggtcagac	cctggatcaa	tgtatcctgc	54000
agtgcctctg	tgggtactgc	aactccagga	actcaatctt	gtcaacgcca	ccgccagaga	54060
gaggccttct	tggcctccat	ctttttggtc	actagctcca	gattcaaaat	cttgaataga	54120
tgcttcttct	ctttgataga	gcccagtcac	atgctgttagc	tgcaaaggaa	gctgaaaatc	54180
tattaggaac	ttttgtcttc	aaaaatgaga	ggcctgtcct	ccaccaagat	ccataggaaa	54240
tggaatccaa	gaaaccacag	gaaggggtga	ggtgactggg	cagctcacag	catgcatgct	54300
acatgtgaat	tatctcattc	atttctcaca	ctaccagtg	aggtaggtat	tgtcatccct	54360
acttcataaa	tgatgatatg	aggtaacaga	agttaaagga	acttgcccag	gacacgcac	54420
gcagctatta	agtgcctagc	ccagtcgaat	tgagtctgac	ttggactgtc	tgactccaga	54480
agccacctc	ctgacactg	ctgtatactt	ccagtgaatg	ttgatgaaat	tttcaggggt	54540
gctaagctgt	ggatttcaga	tcctggattg	tatgacctaa	aagagagact	tccttaggag	54600
tgagggtccc	tgaacagtca	actggtttcc	aagaatgggc	tcctctctcat	caccttatga	54660
cagtaatcct	ctgtccaaca	gccaaagagg	tcctgtgggg	agggcttgca	gatgggagtg	54720
cgcagagccc	agctcaaagc	tcctgactag	gctcttggtg	agtattcctt	tgattcctgc	54780
ttctgtcttt	ttaaatcaat	ggagacaggg	gagggttatc	tcctatcctcg	gctcaagatg	54840
aaatgcatcg	ttcctcggtt	ttctcattcc	ttcccaatgt	gtgtactggt	aacttttagtt	54900
atgaaggaaa	ttacagtgtc	ctgtgcatat	accaaggctg	tccaacctcc	acacctttgc	54960
tcaagctggt	ccttctactt	gaaatgcctg	tttcttccc	ttctaattgc	atctttccat	55020
ccaggtagga	attcagctcct	tgggttcattg	agccttttct	gctctgtttt	actatgcatg	55080
gacttccttc	tgaattagca	gaggatgttt	cctagcttgg	tcttaacctt	tctccttttg	55140
tttgacctca	atttactcat	cttacaatt	agggtgtaag	ctaattgaat	acaggatcta	55200
tgcttcactc	tgattttatc	tcacacctgga	tagcatcatt	tttgacacac	aagcaggcat	55260
atgggagggg	agagaagttt	ggtgccagaa	agaactggat	ttgaattcta	accctgttgt	55320
ttacgtgagt	acgttactta	accattaatt	acttcaatgt	atatttatta	agtacctact	55380
atgtgccggg	cactgtacta	agcaccaagg	atacaatggt	gagtaaagag	atgcagcctt	55440
caccatcacg	aaggaagaca	gatgttaatc	cattaaccaa	gtaatctcac	aagaaaagta	55500
aaatgactaa	ctgataagga	caagcccctg	gagctacaaa	aggggtgtata	cagggtcatcg	55560
atccaattag	ggcagtggtg	cggggagatc	aggagccaca	cagagcctgg	gttgtctcac	55620
ttggaaaatg	gggtatcaac	cacctacctc	actaggtttt	taaaatcagg	ttaaatgagg	55680
taataacttg	catgaacagt	attttgttga	ttgatgattg	attgaaacgg	agtctcactc	55740
tctcgcccaa	gctggagtgc	agtggtgcaa	tctcagctca	ctgcaacctc	tacttcctgg	55800
gttcaagtga	ttctcctgcc	tcagactccc	aagtagctgg	gattacaggc	agccacctct	55860
atgcctgact	aatttttgta	tttttagtag	agacaaggct	ttgcaatgtt	gaccaggctg	55920
gtctcaacct	cctgacctca	aaagatccac	ccacctcagc	ctcccaaagt	gctgggatca	55980
caggcatgag	ccactgcac	cagccacttg	ccatgcatgg	catttataaaa	tgttcagtaa	56040
atgttaccat	aatgaaggct	ggtaggttgg	ccaactgagt	ggctgatttc	agaaggaaaag	56100
aagttagaca	tacgtgaaca	tttctgttac	ttgaagatcc	tcaggacagt	gactcctaga	56160
cccatcttcc	atcacagtca	gctgggaagc	ttttaaaaaa	atgcagacat	ctgaccttca	56220
cgctagacct	attagccaag	cagaagtttc	tgggcagggc	atctgcata	ttttaaaaaa	56280
ctttaataag	gcagcctcaa	aattacagat	tcagcacgca	tttaccataa	ccactgaaga	56340
aatgcaaagt	tataaaaaga	agataaacia	caatctgtct	cctgctttct	tcctctcctt	56400
cccctgcttc	tggaggcaac	aaggtaact	atttgggtgtg	attccttttta	gcattccctc	56460
catcaatgg	cacataagga	tgctcacaga	taagcaccta	tgcggggggt	ttttttttcc	56520
ttgtaaaact	attcacatac	taaatacttt	cctcagtatc	ttgccttttt	tcactttcatg	56580
tcacagaaac	atctcttcag	gtttatagat	acaggtccag	ctcttctttt	catagccata	56640
taacattctg	tagaatagag	aggacacatt	ttactcagtg	tcgattgat	ggatatcaat	56700
attgtttttc	tttctacaaa	tagtcaagga	ataacataac	tctgtaaaag	ttttattact	56760
tataggcgca	tttatgccta	aaggatagtc	tcaaaagagt	gaaactgatc	aaatgtgcat	56820
ttttttat	taataggtat	ggacagattt	gttctcaaaa	tgtttgtggc	agttcaaaac	56880



accagtaaaa	caggggagat	atgtatTTTTg	gaaaagcacc	caaggcgatt	ctgaagtgtg	56940
gcccaggata	agaaccattg	cccagagctg	ttccagatgg	cccctgggtt	ctgaagtggg	57000
gtatcgggag	agaaatcttc	actgaatgaa	tgagtgggct	ccccagggaa	gtgatgaaat	57060
ggtccttata	agccttgcta	tctccctctg	acagaggcaa	actctctctc	cctgggggaa	57120
gttcctccaa	ggcctctata	taagaagtct	ttgtgagagg	aagcaaagaa	ggacctgggc	57180
tttggaaga	tctaaagacc	caggaaggtc	tctgggtggg	tgagtgcctt	ctctgctgtg	57240
gtggagctgg	tgacagttta	ttctcccagg	aggctccctg	ctgtggctga	cagtttctgg	57300
agggctggca	ggcgtctacc	tgtggctttc	agglttatgag	gatgtcagca	ggggcagcct	57360
tcatcctctg	ccttgccat	tccttctgcy	ggatgtgaaa	gtgctccttg	gctggggaaa	57420
ggagatgggtg	gagacatgga	ggaggggtg	ggtggcttct	tgaactctga	ggaggggaca	57480
taccttctaa	gtcctatgtg	ttcctaggaa	agccaataat	cattgcttct	ccgcctttt	57540
ttatgtcata	gactctgagg	gaccattaa	gtacaaacaa	ataagcgtaa	tagtcccttc	57600
tttacttccg	ggcctgaagg	aaagccagcc	tcagccaccc	ctcagggttt	gctgcgttct	57660
gtttagaaa	aggctccttg	gtcctggatc	ctggagcatc	aggagctggg	cctggcatga	57720
gcttttctgg	cccatactga	tttctattca	ggccttcttt	ttctccacct	cactcccacg	57780
gtccccta	ggtgtgattg	tgatgtgtgt	gcatgtgtgt	ctgtgtgtgt	caatgacaaa	57840
ctgtgttctc	cggtgcagga	taaagccaag	atgaaactcc	ccttacttct	ggctccttcta	57900
tttggggcag	tttctgctct	tcatctaa	aagtgttttt	tgccttcagt	ccttcttttct	57960
ctgttttttc	cctttctatg	gtagatgggg	tcagagttac	acacccaccc	ccttcttttga	58020
tcgtcttcta	tttctgaatt	tctgtgtgct	taaagggatg	gggactctat	ggcaggaggt	58080
tgaagagatt	tctcaaggcg	tctgttatgt	ctgtggctct	gggtctactg	tgacattccc	58140
aattttgtcc	ttctccatt	atgcttact	tgagcttact	gagtgcttct	tctcctttaa	58200
ctctcttagc	atcgccatga	agtaggtggt	attgtatacc	catttcacag	aaatacagct	58260
ggtggatgat	ggaaccagta	cccaagccca	tgactgccc	actctaagtc	catgctctta	58320
accaccttga	ccttgtcagg	cagcttgggt	tcccctcata	gagactgggt	tccagggttc	58380
ccttcccagg	cagagttgag	cactctgatg	cccagggcaa	ggtgtgagct	gtctgtgggt	58440
ctggggagga	acaaggggag	atgtgaagga	aggacactta	gctatcctcc	ctgccagggt	58500
ctgagacttc	cacctttgag	acccctttgg	gtgctaagac	gctgcctgag	gatgaggaga	58560
caccagagca	ggagatggag	gagacccctt	gcaggagct	ggaggaagag	gaggagtggg	58620
gctctggaag	tgaagatgcc	tccaagaaa	atggggctgt	tgagtctatc	tcagtgccag	58680
atatggtgga	caaaaacctt	acgtgtcctg	aggaagagta	cacagtaaaa	gtggtgggca	58740
tccctgggtg	ccagacctgc	cgctacctcc	tggtgagaag	tcttcagacg	tttagtcaag	58800
cctgggtgag	tggcctatgg	ctgaggctga	ggtgggagca	tggaaacgggt	gtgggatatg	58860
cccccagcat	tgtctact	ggctcttttt	cccattgagg	gccctggggg	tgtcagtaga	58920
acctgagcct	cagagagggtg	ttggggtaag	aggggagggc	cacctacaaa	cagaagttgc	58980
attttgggtct	ccaaccttca	aatggttgtg	gcaggggagg	gagggaaatga	attgtgggga	59040
ctcaagaccc	atgtgaattc	atgtaggaag	gatgtcccat	tctttgtctt	ttatcctgcc	59100
ctgtagttaa	cctgcccggag	gtgctacagg	ggcaacctgg	tttccatcca	caacttcaat	59160
attaattatc	gaatccagtg	ttctgtcagc	gcgtccaacc	aggggtcaagt	ctggatttga	59220
ggcaggatca	caggctcggt	aagagaagtg	tgaacactaa	atgggggtgca	cctgctgac	59280
tcagccagca	ctcagcttgc	atcagatttg	tctgtttttc	tctgtataaa	tctccagaag	59340
aaccagggat	agatggacac	ccacagacaa	cactgagggg	gctgcctggg	cattcaggga	59400
agagctaagg	atttagaatc	aggaggtttg	ggtccaagtt	cctttccatc	tctcactatc	59460
tatgtaaact	aagttagctg	ggcatgggtg	tgcattgtctg	taatcctagc	tacttgggag	59520
gctgaggcag	gagagtcact	ggaacctggg	agacagaggt	tgcggtgagc	cgagatggag	59580
ccattgcact	ccagcctggg	caacaagagc	gaaactccgc	ctcaaaaata	aataaataaa	59640
taaaataaaa	aaaaaaaaaa	ttaaaaacaag	accatgagtt	tgtttctctca	tctctaggat	59700
gagttggcaa	cccttgttct	accttttgtt	agggctggaa	ggacaagcct	gtcactggga	59760
tgcatagaat	ctgatggtga	taattgcccgt	ggatcagcat	ttcagatgac	taggacagtt	59820
cccatcatgg	tccagcaggg	aagggcccat	tgcccgggtg	gcagcagaaa	gagctggcag	59880
atacggggcc	aggctctgctt	ctctgccttc	cctctgcccc	atcccttctt	cccctcttgc	59940
tttctccagg	gtcgtgcag	acgctttcag	tgggttgacg	gcagccgctg	gaactttgca	60000
tactgggctg	ctcaccagcc	ctggtccccg	ggtggtcact	gcgtggccct	gtgtaccoga	60060
ggtgaggtgg	ggctggggat	gaacgatgga	aaggctctggg	agatgggaag	tgccccaaagg	60120
aggagatgct	acaaagagcc	tgaccctttg	tgggagaggc	ttcctgggtc	ttttatatac	60180
tctgactcca	cagcagtggtg	tgggtgggaa	aagaggccct	cctgtgggtt	gagttgggat	60240
ggacaagagg	ctgaaagtcc	ccttctgttc	tgccttcaca	ggaggccact	ggcgtcgagc	60300
ccactgcctc	agaagacttc	ccttcatctg	ttcctactga	gctgggtcca	gccagcagtt	60360
cagagctgcc	ctctcctggg	cagctgcctc	ccctcctctg	ccttgccatcc	ctccctccac	60420
ctccctgcaa	taaaatgggt	tttactgaaa	tggattttatt	ttctcctctg	atcgcggtatc	60480
cactctgctt	agccctcatt	gaaacttctt	ccttatcatc	tctccccaca	ccacaacttt	60540
catagaagtg	tcagaagcta	ctactccttg	aggaggagga	tggaggggtg	agttgggtct	60600

atggagcctt	ttggagatgg	aggaatgggc	tcagctagtt	ctcttcatag	aacacctgat	60660
tactgggcac	ctgcatagtg	ctgccaggac	ctttcaagg	tgtaggtaga	ctcccaatgg	60720
cccagtttgc	atctctgtaa	ccaaaggcct	ttctctctc	tctctccaac	cccagaactg	60780
tggttggttt	tatatgtaag	gaagttaaca	tgtccctggg	aacagtccac	aacattcagg	60840
aatgaatgta	taagtaccgc	aatccccggc	ccctcaagtg	gaataaatct	aacatgtatt	60900
gggacaccatt	tcccagtggc	ctgctgtggt	agttggcctt	attccatgca	tttttatggg	60960
ctgccttccc	ttcctcaact	gcattctctg	ctccttccta	ctctctgcaa	ctcccaaata	61020
aacacittgta	cgcaactccc	tctctcagga	tctccttctg	gggaaacctg	atataagaca	61080
gcttgccatg	cgtcagactc	tgaatgaggg	ctgggaatac	aagacatagt	cctctggcac	61140
ttgggatata	tgggttatttg	taacataggg	acaaaaacat	ctactagtgt	ttatcgctta	61200
ttgagcacc	acaacatacc	ccctgctgtg	gcaggcacct	tgccatagtg	acctcatgtg	61260
atcaataatt	atgagcccta	ttttacagaa	ccaggctcag	agaagttagg	atctgtcaaa	61320
agacttgccc	aagactgaac	ctctaaatgc	aactcatatt	gaaattcaac	tctgctccaa	61380
agcatgttac	tttaaccctt	gtgctttttac	agctggctac	tctcccccta	tggtcacacg	61440
gggatgaagc	acgggggggag	gaaagccaga	ctgtctcact	cttgggttca	tcttgggaca	61500
caggacacca	gcccagctgg	aggtgagggg	gctttaatca	gaggggaggg	aggaaggcat	61560
tctcaacccc	ttctgtacta	gggaggtcag	cagaagaaaa	taattcaatg	ttctaaagcc	61620
atTTTTTTTct	ccagcattcc	tccaattcat	agatcttcat	atgggattag	gggctcagag	61680
aggggtgaaa	caagaactct	atTTTTTTTgg	agtgtggtat	agagaagggg	tgctacttct	61740
ctaaggtcac	atagtaagtt	gagaaagaga	gagaaatcaa	actcagggtt	atttcaacta	61800
ttgttccaca	agaatctggt	gatttcaaa	atggtggact	atgggttcat	ccctgtggtg	61860
agtgtctgta	ggatgcagct	gaggtggaac	tttctactct	tgccctcttg	gactttatat	61920
tctggtgtgg	aaaggcattg	cttcccttat	ttcaatatta	acaacaaagg	gtaataatat	61980
ttcccattta	ttaagcattt	actaggtgtc	aggtactgtg	ctaaatgtta	ggtgaacttt	62040
gtcttgttcc	tcataaatct	ctgccgctgt	gggtgtgtac	tttgacagaa	gtttgacttc	62100
cagtcacacag	agatcttctt	tgggggagta	atatcaagaa	ggggcacgaa	ggaagctgca	62160
gggctcctag	tcccatcctg	tatctcgacc	taggcatgtt	tacattgggtg	cattcactgt	62220
gaagtttccc	tgagcagtc	actctatagt	gtgctttata	ggagcacatt	gtacatccat	62280
tgaaaaatth	ttcttggccg	ggcacggtgg	ctcatgtctg	taatcccagc	actttgggag	62340
gccgagacag	gcggatcacc	tgaggtcggg	agtttgagac	ctgcctgacc	aacatggaga	62400
aacccgtct	ctactaaaaa	tacaaaaaaa	tttagccggg	gtggtggcac	atgcctgtaa	62460
tccagctac	tcaggaggtt	gaggctggag	aatcgcttga	acctgggagg	cgaagggtgc	62520
agtgagccga	gatcgtgcca	ttgcactcca	gcctgggcaa	caagagcgaa	actccgtctc	62580
aaaagaaaga	aagagatttt	ttctttttct	taaaaagtaa	aaatcatgaa	ataaggggac	62640
tgggctaata	ttccaaaata	tgggtttgtg	tgtgaatttt	cctctccagt	aagatactaa	62700
ctaagctctg	tgaactgtt	tatctatggt	tctttatcat	tgaatccttg	gagttcctta	62760
cactgtgcag	agcacagagt	aggggctcaa	tcaacagtgc	actcattgct	ttttcataga	62820
caagggccac	cctcactcaa	ctcatgtgcc	aggcatagtt	ctgagagctt	tgcttaagct	62880
gatnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	62940
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnggtcact	aatttgggtat	63000
agagttatgt	tcattgattt	catttttatt	tgtttctgat	ttttaaagat	tgttttactt	63060
gttttcttcc	tattattatt	ttattttatt	tgtaaaacat	ttacatatca	gacatttaca	63120
ttttcccaa	ggtaaaactg	tgaacaaga	tatattcaaa	gaagtttact	ttccctctct	63180
gtttcttgta	cccttttctc	tcttctttag	gtaaccattt	ttattttttt	aaatataaac	63240
attgtgtagg	tgtatataca	tgtattagtc	tgttttcatg	ctgctgataa	agacctatct	63300
gagactggga	agaaaaagag	gtttaattgg	acttacagtt	ccacatggct	ggcaaggcct	63360
cagaatcatg	gcaggaggtg	aaaggcactt	cttacacggg	ggtggcaaga	gaaaaatgag	63420
gaagaatcaa	aagtggaaac	ccctgataaa	cccatcagat	ctcgtgagat	ttattcacta	63480
tcacaagaat	agcgtgggaa	agactggccc	ccatgattca	gttaccctcc	cccactgggt	63540
cccaccacaca	atacgtggga	attctgggag	atataattca	acgtgagatt	tgggtgggga	63600
cacagccaaa	ccatatcaat	acatttccct	ctctttttaga	taaaaggtag	tatactgtat	63660
acactattct	gcagagtttt	tttttttttt	gatgtaaact	tatcctgagg	gtgctctgta	63720
gcagggacct	ctcatgcctt	ttaaccactg	cctgggtctc	cattacatgg	ctgcagcata	63780
gttgccacag	cattcctgta	ctgatgacta	tttgattgtt	ttccagtcct	ttgctattac	63840
cagtagtggt	acaaagagga	tctggctaca	tgttcagggt	ggggaggggg	agatgtgtag	63900
cctgtcagga	gggtattgca	gtaatccatg	actgagttaa	tggtagttaa	aagctaggat	63960
gagtcagtg	gggtggagag	aagtgggcac	atttgaatga	tatgtaggag	gtgaatgac	64020
agcattattg	atgagtttga	ggtggggcat	gtggggaaag	gattcgagga	tgactccag	64080
gtttctgttg	ggacagtggg	tggatagtg	ctcctccctc	ttttccaatc	ttccttggcc	64140
cttcgctgac	ttctgttggg	ttggcctaca	gagagcttct	ttttcctctc	tggtcgccca	64200
ggttctctca	ctttggcggt	ggcctctg	tcgacgggtg	cttcgctggc	cctgacatcc	64260
ctgctgtgcc	tgggcttcgc	cctctgtgcc	tcagtcacca	tctcctctct	ccagtacctc	64320



accttcatcc	tgcaagtgat	cagccgctcc	tccctctatg	ggagcaacgc	ggccttcctc	64380
acccttgcg	aagtggcctt	ggggcgggct	ctgtggagac	ggacacactg	gggcaaagag	64440
aagctggagg	taaagaaatt	gggaggcaag	gcggggcctg	gaggcagtca	gggtcgggag	64500
actgggtttg	ggggcaggtg	tggagggggt	gagaccagag	gtgggtggaa	ggatagaaca	64560
ttcatgcact	tgagccttta	catctgcggt	gccctctccc	tctgttttct	acctggtgaa	64620
ctcgtattca	tcctctgagg	cccacttctg	tttcagttct	ccagggaaga	aatggaaaag	64680
tgtcttcctt	tctttgtgcc	cttagtactc	tagtcttact	tcctttgcta	gtgcgtgcat	64740
tgtctggcat	gccatccalt	tacatgcctg	tcttttcttt	cctgggtgcag	cctgcatgag	64800
ggtcctgtct	gtttttccag	ggccccgcat	gtgccttctt	ctgggttctg	tgggtcaa	64860
gtctgagcag	agctgaagag	ggaaaggcca	gacaggtgtg	gttggagggc	aggcctagga	64920
caggggagct	ggggacaagc	ggccgcagac	ccccagaggc	caggcttctg	cttggaggga	64980
gggtccctga	agctcactgg	aacccctctg	gtttctctcc	ccagtttccc	ttcagagcac	65040
tttggcaagc	tctttgggct	ggtgatggcc	tgtcggctg	tgggtgtctct	gctccagtct	65100
cccatcttca	ccctcatcaa	aggctccctt	cagaatgacc	cattttacgt	gagtactggg	65160
aggatgggga	tccttgccag	gaggcctggg	ccttaggcct	tggctgcccc	aaatctggct	65220
gtgatggcct	gggtatgtag	catggtgcag	cttcccaaag	ggtctgtgtt	attcaagtat	65280
ttggggcaaa	agtatttgtg	tgtgtgggga	aacagacatt	ctggagtagg	gtggggaatt	65340
ctcacgaaac	ttcaagcaaa	atcctgagac	ctcaaagggt	tttcctgctt	gtgggtgagt	65400
caggccacc	ctggcctctc	ccctaggccc	acacagggtt	tcacagttg	gccccaggga	65460
caggacctct	gtgctttcac	ctctgtgtcc	ttacacctgg	agggatgctc	tgaggtcctg	65520
ctctaggagg	tggctcgtgag	tctcctgctc	tttgacaaa	ctgaggctca	aagaggttac	65580
ttacgtgttc	agaggcacca	gctaaggagc	aaaagtcaac	tttgaattct	gtgttttgac	65640
tactgcacag	ctctatttgc	ctcatttttt	atttttaaag	cagcaaattct	tagaatagga	65700
gtttaaatcc	atcacttgga	gaaaagaaag	actaaatgtt	ttttgttttt	gttttgagga	65760
cacgatcttg	ctttgtcacc	caggctggag	tgcagtggca	caatctcggc	tcactgcagc	65820
ctcgatctcc	tggactcaag	cgatcctctc	atctcagcct	cctgagtagc	tgacactaca	65880
ggcatgtgcc	accatgccaa	gcttatttta	ttttattttt	ttgatagaca	ctggggtttc	65940
gctatgttgc	ctgggctggt	tttgaattcc	tggcctcaag	cgatccaccc	gtctctgcct	66000
tccaaaatgc	tgtgattaca	ggcgtgaacc	actgtgcatg	gccaaaagag	taaacttgaa	66060
atctgaggcg	aatgacttga	ttgtgacatc	aggtagacct	gtaatcagct	gtgtattcta	66120
gctggtgcct	ctaccagctt	cccatgtgac	cttgaacatg	tcattgaatg	ctcgctaggc	66180
ctctgtttct	ttatctgtga	aatgggcttg	atattcctcc	tctaccccaa	ccgatagtgc	66240
agaatgaaaa	gtaactgaaa	gtccttcctc	cagggcacca	tagtgtctgg	gtgaaaagta	66300
gaatataaac	tcggtagact	tctggctcct	tcattggtca	tggaaatggac	cagtgcctgc	66360
ttcattgagc	aacagttctg	ttgttcagaa	ttcctggatt	tcacctcact	tctgctctcc	66420
ctgcaggtga	atgtgatgtt	catgcttgcc	attcttctga	cattcttcca	cccccttctg	66480
gtatatcggg	aatgccgtac	ttggaaagaa	agtccctctg	caattgcata	gttcagaagc	66540
cctcactttt	cagccccgag	gatggttttg	ttcatcttcc	accacctttg	aggacctcgt	66600
gtcccaaaaag	actttgccta	tcccagcaaa	acacacacac	acacacacac	acacacaaaa	66660
taaagacaca	caaggacgtc	tgcgcagcaa	gaaaagaatc	tcagttgcc	agcagattga	66720
tatcacacag	actcaagca	aaggcatgtg	gaacttcttt	atttcaaaac	agaagtgtct	66780
ccttgcactt	agccttgcca	gacccttgac	tccaggggag	atgacctggg	ggaggaagtg	66840
tgtcaactat	ttcttttaggc	ctgtttggct	ccgaagccta	tatgtgcctg	gatcctctgc	66900
cacgggttaa	attttcagggt	gaagagtggg	gttgtcatgg	cctcagctat	gcttcctggc	66960
tctccctcaa	gagtgcagcc	ttggctagag	aactcacagc	tctgggaaaa	agaggagcag	67020
acagggttcc	ctggggccag	tctcagccca	gccactgatg	ctggatgacc	ttggcctgac	67080
cctggtctgg	tctcagaatc	acttttccca	tctgtaaaat	tgagatgaat	tttgggtgtg	67140
aaagtctctc	ctggagcaga	tgtcctagaa	ggttttagga	atagtgcag	agtcaggcca	67200
ccccaaaggg	catgggagcc	agctgacctg	cttgaccgaa	ggatttctga	cagactatct	67260
ttggggatgt	tttcaagaag	ggatataagt	tatttacttt	gggcatttaa	aagaaaattt	67320
ctctcgggaa	taattttata	gaaaaataaa	gcttctgtgt	ctaaggcaac	tactgtttcc	67380
atctctctag	gctttgggccc	ggggctgtgt	gtgtgtgtgt	gtgtgtgttt	gtgtgtatgt	67440
gtatgtttct	gaggaggccc	taccctggca	tgagagggta	gggaatctgg	ctacacatct	67500
agtgtggcag	ctggacccag	aggtggggca	ggaaccctga	ctatgattca	ccccgctggt	67560
cctgggatgt	gggcccagag	acttcctccc	ccaggaaccc	ctctgcttcc	tcttcctctc	67620
cacatcctta	actaaactta	gcagaaccct	actcctcact	acacaccccc	agctagaagc	67680
gctggatgga	atcagaaatt	cctagtttga	gtttcaattc	tgccccctcag	cagctgggca	67740
agccccttaa	ccactctgag	tcactagtct	cccacttgca	aagtgcagtt	aatcatttct	67800
atctctgatg	gcgattgtga	gaatgtaaag	tcattgcaac	tgccctagcac	atggtaggag	67860
cacatgaggg	tttgctcctg	tgtttactca	tgacccttgg	ggaggacggg	ggcaaagagg	67920
gagaagtgtga	gggtgcagga	ggagagatgg	caggtgggtg	ggatgggaga	atctggggca	67980
cacctgctgt	ctcattccca	ccttgctagg	agagggacta	ggaaagaaca	gtgggaggca	68040

gggggatggg	ggtggaaggc	aggggggtggc	aggcaggttc	atccatccat	tcattcaaca	68100
aatgtttatt	gagcacctgc	cacgtgtcag	gccctgtcct	gggtgctggg	gctataaaga	68160
tgcagaaggg	tctgaaaccc	agctcttcct	tcttcctgtg	gatgtcgggg	tgtaatttcc	68220
agggggccagg	agcctgggtc	tgagggcgga	caccaaagtt	ctagtgggtg	ctattagcag	68280
cgttttaaatc	taatggatgg	atthtggctct	gttacccctgc	tcaaaagctt	tcagcagctc	68340
cccactgtcc	acaggacaaa	aatccagatg	ctagcctggc	attcaaggct	gtcactagt	68400
tgatctcaac	ctctcccctt	ccctctttac	ctcctacca	cagcggggca	gagcccaccc	68460
ctgtggacca	agattcccag	tctctgggtc	tgtgtgtgca	ccagttcctc	tgcgtgggtg	68520
gctcacctcg	cctcagcttg	tgaaatccat	ctgggtctgct	gggatccctg	tcaaaatgtc	68580
atctttctcca	aaaatcatta	ctcaggcttt	ccagcatgtc	tgagtccctg	gcacttggtc	68640
acacccttcc	tggtgactgg	catttgcttc	cacatcatga	ccctcccacc	ccttgcttgg	68700
gcagcatact	ccaggaggca	aggctctgtc	tgcctgggtc	ctaattaatc	tgtgcttacc	68760
atccacatgg	taccagctaa	ttcttgttga	atgaatgatc	gttgaatgag	tggattcttg	68820
ttttggcctc	agaaccaatt	agaaggagcc	agaaaaacac	atgggggtgg	gggagggtgca	68880
gtgtgggtgca	gtggaaaaaa	acccttctgg	aaatctcagc	tctgtcactt	actttgtcag	68940
ctctgtgact	ttggatggac	cacttctttg	tcagtatggg	gggagaaata	gacatgcctc	69000
tctgggctgt	tgtaaggatt	acaaattagg	tcgagtgcct	ggcatgtggg	gggttgaaca	69060
gatcacagct	agcattacag	atgatatat	aaagccaaaa	aaagatgcct	aatgtccacc	69120
agttggtgaa	cggacaaaagg	aaatgtacca	tatttgggat	attatttggc	aatcaaaaaa	69180
agtactgaca	cctgctacaa	cacggatgaa	tcttgaaaa	attagactaa	gtgaaagaag	69240
ccagacacaa	gaaactgcta	atgattccat	ttaaataatga	aatatcgggc	cagggtgcag	69300
tggtctatgc	ctgtaatccc	agcactttgg	gatgccaaagg	tgggcagatc	acttgaggcc	69360
aggagtctgt	gaccagcctg	gccaacatgg	cgaaccccg	tctctactaa	aaattagccg	69420
agtgtagtgg	catgcacctg	taatcccagc	tacttgggtg	gctgaggcac	aagaattggg	69480
tgagcctggc	agggtggagg	tgcagtgagc	caagatcgtg	ccactgcact	ccagcctgga	69540
tgacacagtg	agggtccgtc	tcaaaaaaaa	aaaaaaaaaa	ggaaaaagaa	aaaaagaaat	69600
ttccagaata	ggccaatctg	tagaggcaga	aagtagattc	atgattgggt	aggcctgggt	69660
gtggaggcca	tgggtagtga	tggctaattg	ggaaggggtt	tcttttgggg	tgatgaaaat	69720
gggtggactt	atggtatggt	aattatacct	caataaaact	gttattttaa	ggaagaaaag	69780
atgcctggat	tccccaggaa	gtgtacagta	gacttctgtg	agaatcagaa	atgatttctg	69840
gggaagatgg	gcgagaggag	agtaagtggg	agaagtgacc	acgtgcgcaa	ctctcatcgt	69900
tctgccctga	gagccttctc	cctgcaactt	tatttattta	tttattttga	aacaggttct	69960
cactctgtta	ccctggctgg	agtgcagtgg	tgtgatctca	gctcactgca	gcctcgacct	70020
gccaggctca	agcaatcctc	ctgtttgagc	tcctgagtag	ctgggactac	aggcgcagtc	70080
caccacatct	ggctaattct	ttattttatt	attttattat	ttatagagat	tggggagtct	70140
cactctgttg	ctcaggctgg	tgtcaaacgc	ctggactcaa	gtgatccctc	caccttggcc	70200
tcccaaagtg	ttgggattat	gggtgtgagc	cactgtacct	ggcacctcct	gcaacttctt	70260
cctcaagtgg	aaaccaatgag	gaagcaagca	actcagagct	ttcacaagtt	ttgatttcaa	70320
tcagcaacgg	gcttccaatg	caacccttct	ctcctgtaac	cagcctcagt	agagaggaa	70380
tggaggtgaa	ttggccccc	tcacaccccc	acagtgccaa	gctggggcct	tccatcaggg	70440
ggagaacaca	tgccgtgtaa	gggacagcca	acagcataaa	ataggaattg	tgtgatgatc	70500
ccttttaagc	ctattcagcc	cagggaagtg	catatgatca	gccccatttc	atagatgaag	70560
aaagtccagg	tcacccatta	gcacattgtg	gggctgggat	ttaaaccagg	tctgtctggc	70620
tcccaaggtc	acattcattt	agacattacc	tttactttac	atttcttctt	cttttcttct	70680
tcttcttctt	cttcttcttc	ttcttcttct	tcttcttctt	cttcttcttc	ttcttcttct	70740
tcttcttctt	cttcttcttc	ttcttcttct	tccttcttct	cctcttcttc	ctcttcttcc	70800
tcttcttctt	cttcttcttc	tcttcttctt	cttcttcttc	ttcttcttct	tcttcttctt	70860
cttcttcttc	ttcttctctt	tcttcttctt	tcttcttctt	cttttttttt	tgagggtggg	70920
tcttgcctta	ttgcccagg	tgaatgcagc	atcatcatac	ctaaatgcag	ccttgaactc	70980
ctggccttaa	gcaatcccc	tgctcggcc	tccaaaagtg	ccaagatttc	aggcatgagc	71040
caccatgccc	agcctgcatt	tattctcttg	taagaaagat	atcattttaa	acagacgaga	71100
aaataaagag	ggacatgaaa	aagacgcac	accattaatt	ggaccactca	gagataatca	71160
tgggttaacat	gttgggtatg	tccctcccgt	catttgactg	gatgtatgtg	ataattttaa	71220
tgatctcata	agcttttctc	tatgtaatca	aatagtagcc	aaaaacatga	ttttaaatgg	71280
ctgctcacaa	ccccatctcg	tggttctgcc	acgccttggt	tatccccatc	caccccttac	71340
tccctttccc	cttccctgcc	tgtgtggggg	tcctagatga	cggtagacca	gagggcagcc	71400
ttgggtcagca	gattggagag	tgcaataaat	aaaaaacactc	agaaggcgag	ctgttgtcaa	71460
gtgggcttat	cacaaaagag	caccttggga	tattccagag	aatgacctca	taccgcgtaa	71520
tcactatcca	taatctgggt	ctaactgtac	tttagctgaa	gggtgctggca	ggtcctgccc	71580
agggtgctgt	aagaacactt	ctattctgtg	agaatcagag	atgatttcta	gggaaaatgg	71640
gcgagaggga	gtaagcagga	gaaacaaccc	acaggcacag	ctctcatctt	tctgccctga	71700
gagccttctc	cctgccacgt	ggttttgttt	gtttgtttgt	ttgtttgttt	cagatagggt	71760

ctcactctgt	cacccaggct	ggagtgtagt	ggcaagatca	tggctcactg	aagcctcgac	71820
ctcccaggct	caagcagtc	tccccaaatt	caaagcttgg	agtgatggtc	ccagtgggta	71880
tgtctaggag	ccc'tttttcc	tgccagcccc	tcaggggatt	gatgactctc	aaatgcttca	71940
ggtgtgacat	gggcacagca	gtgagtcatt	cctctgacat	tctttgggaa	gaacattttc	72000
catccaggct	tccaggcata	agatccagtc	ctctggtgat	aaggagttca	cagacaggac	72060
aatgtctgag	tgtatcttaa	acccaggacc	atggccttgg	ttcacaccag	accctccagg	72120
gattttgagg	tgttttggtt	gtttgtttgt	ttgtttgttt	gttttttgag	acagagtctc	72180
tctctgtcgc	caggctggag	tgcagtggca	cgatctcagc	tcactgcaac	cttcgcctcc	72240
cggttcaagc	gattctcctg	tctcagcctc	ctgagtagct	gggactacag	gtgtgcacca	72300
ccacacccgg	ctaatttttg	tatttttaat	agagactgtg	tttcaccatg	ttggacagga	72360
tggctttgat	ctcttgacct	cgtgatcctc	ccgcctcggc	ctcccaaaat	actgggatta	72420
caggcatgag	ccaccgtggc	ccgccccaat	ttgagttttt	atgtttcta	cccaaacatc	72480
tgtctcacag	ccccctcagc	tattctttcc	tgggtccagt	gtcacctccc	aggcctgcag	72540
gctggctaga	gcagtagggg	gtgtgggaaa	gctctgggct	ttgcaggcac	tgatcagctg	72600
tgtgacctta	accaccctga	acctcagttt	cctcacctgt	aatggaaata	ggtaccacgg	72660
cagtttggtg	caaggactag	agagtaacct	tgggaataaa	aggtagcagc	agcttgggct	72720
ctggagatgg	actgtccaag	accaacttcc	agtccctccc	cacacaagct	ctggcactta	72780
gattcctggg	acctccgctg	cttcatctgt	aaaatggagt	aacaatagga	atactttata	72840
gagttgtaag	gattgagtg	ctggatgaac	gtcaagcact	tcaaagggga	cctggcatgt	72900
agtgagtgat	caatataaac	cacctggctt	gtagcaggtg	tgctgtgtgt	ggctgcaggt	72960
gttattagta	acatctgtgt	gcccttcaga	gcgtgcacca	cacttcacac	cttgtggagt	73020
ctggaatgcc	actattatag	ttcaggatag	aaaacctccc	tgcaagcact	cgcttttagct	73080
tgtctccacc	gaacaaaaca	acacaagttc	tttattactt	ggaatgggaa	aacttcaaag	73140
gcaaaaaaaaa	aaaaagactt	tcgagttacc	ccaaatctta	agccaaagtc	aatgaaaaat	73200
atcaatcttc	atattcaatt	tttgcgatac	ttttgtctcc	ccagcagtc	atggagagaa	73260
tccaagcaca	cagaaatgtc	aattaccagg	ggcagggcta	tgaattcctt	tcagagccct	73320
gggctgggga	agagtgcagg	cagacagatc	tgggtcctgt	tatcacgttc	ttagattggg	73380
tgtccttgta	ggagtcatga	agcatcttag	tgcctttgtt	tgctacctat	aatgcctacc	73440
tcagagagta	ataaggataa	gtaaggctct	acgtgaaaag	tgctcggccc	tggcacatag	73500
taggtccttc	attaatggca	gctactaatt	tttattacat	acgcaaaatc	acattacagg	73560
tcaagtacgc	tacatgacag	tgaaacagtt	ttttgttttg	tttgttttga	gacagagtct	73620
cgctctgtca	cccaggctgg	agtgcagtg	cacgatcttg	gctcacgcga	acttctgcct	73680
tcaagcaatt	ctcctgtctc	agcctcccga	gtagctggga	ttacaggcat	gtgccaccac	73740
gccagcta	tttttttggg	atttttagta	gagacgggg	ttcaccatat	tggccagact	73800
ggtctcaa	tcttgacctt	gtgatctgcc	caactcagac	tcccaaagtg	ctgggattac	73860
tggcatgagc	caccgcacct	ggctgtgaaa	cagttttatt	gtgtttctgt	ggaatgtgtc	73920
ctaccaacc	tatagctaac	tcctatagtt	ccctcagttc	tcagctcaga	tatcccttcc	73980
tttctgtact	gttacctagt	actggttttc	atagcaccag	gtacctctct	ggcatagagc	74040
ttgtcacagt	tgcagtttaa	tgtaccatca	taggatttta	aaaatattca	gttgtgtctt	74100
ccattaggtc	ttcatttggg	aactccacgc	aggcagcagc	tgtatatttt	gtattgccta	74160
ctgtatcctg	agaactttgt	accctactta	gcacagaatg	gaggctcagt	aaatactgga	74220
catgagagag	agagagagag	agagaggaga	gggagagaga	gagagagaga	ttcaacctac	74280
aatcccagct	ctgagcttct	agttccctga	tggtaggagc	tgtgatgtgt	ctcacacggg	74340
aatgagcact	tatgcagaag	aggctcagaa	aatttctcct	catggccaac	ggaagactta	74400
gagttctttt	ccaagctcca	ccgtttgctg	gcatgcaaaa	tttggactat	cacttaagtt	74460
ttccaagcct	tgctttttct	atccctaaca	taggacaata	ttcagcattg	ttgtttgttt	74520
gttgggggca	ccatgtttca	ggcacttagt	agattattgt	accaccacat	ttcaattggg	74580
cctcctcaag	ccctgcaaca	tctgtgaggt	ggtcatcctt	aacaactcac	agatgagcaa	74640
caggagactg	gggggatgag	ggaactgcca	aggaggtcca	gcttatgggc	agcagagcca	74700
agaatggaac	cagggtcttt	tattttttta	tttttttatt	tttatttttt	aaccagggtc	74760
ttttaacatc	cgaggaccac	attctttgtg	ctttccaaat	catcacctgc	cccatgcaac	74820
ttacagggta	agttacatta	aacaacgtat	gtaaatggct	ttgtgctagt	tattcaccac	74880
cacaggggaa	gtgagtcacg	gacaagagtg	cagccgctcc	attcggatcc	tggctctgac	74940
acttacctgg	aaaatgactt	aaccattccc	aggatcagct	gtttgtctgt	aatttaggta	75000
gtttaatggc	acttgtgtcc	tagagttggt	tagaagggtg	aataatatgg	agcacttaac	75060
atacttagca	cctagaaaca	cttccta	attagttgct	gctgttggtta	tcggtattaa	75120
aatttctgcc	taagatctca	tttcaggggag	cccaactcaa	tctttgacaa	gcttaaacaa	75180
aaattgcttt	tcttcattta	ttcacttaca	cagcaaacat	gaattgagcc	tgtactgtgt	75240
ttccagaact	gttcaggacc	agagaggcac	agggtgaagga	agcaaggctc	tggctctact	75300
ggggaaacag	caagaagatt	gctacaatga	ggtgggaaga	gggctggact	agagagaagc	75360
cctgattagt	gtccttgcta	cctttctctg	ggagagccaa	ggcaggcttc	ctggaagagg	75420
tgatccttgg	ctgaaacttc	gatgaagaaa	aggaaagagc	gcagtgggta	gggaggaaa	75480

ggcattctgg	gcagatgaaa	tgacatgtga	caaaatatgg	gtgatcannn	nnnnnnnnnn	75540
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	75600
nnnnnnnnnn	nnnnnnnnnn	nnnnnnngca	ctccagcctg	ggtcactgag	tgagagaccc	75660
tgtctcaaaa	aaattaaaaa	aaaaaagtcc	agaagaacat	ttgggtctca	ctctgtggcc	75720
caggctggag	tatagtggca	caatcatagc	tactgacaca	ttcaaactcc	tggcctcaag	75780
tgatcctcct	gccttagcct	tgaaataagc	ttggattaca	gatgagccac	cacacccagc	75840
cagaccatta	ttcataatag	ccaaaatgtg	aaaacaaccc	aaatctccat	caactgacaa	75900
atggataaat	agaatgggtg	ttgatccata	caatggagta	tlactcagc	aataaaaaga	75960
agtcctgata	catgctacaa	ggatgaacct	cgaaaacatt	atgctaagt	aaagcagcca	76020
atcacaaaag	gctacatatt	acaagattcc	atttaaata	aatgttcaga	ataggtaa	76080
ctaactttta	tcacaggcaa	agctatgaca	ggaaatagat	gagtgggtgc	ctagtgttg	76140
ggggcagagg	tgggggtgag	gcgagtga	actgcta	gtacagagtt	acttttggg	76200
ataaagaaac	tgttctgaaa	tggactctgg	tgatgggtgc	actactctga	acatactaaa	76260
actgttaaat	tatatacttg	aaatgggtga	cttgtgaggc	atggaaatta	tatcttaata	76320
aagctgtttt	acatactttt	catattttaa	aatgcagggtg	gagggatgag	ccctctaaag	76380
agaagcagga	gtttgaggag	gttctaaata	ttgtgtgggtg	ggtactgagg	catataaatt	76440
tgtcagacct	catcaaatg	tatgatgtaa	tcttcaagaa	agttgatttt	aaagaaacac	76500
caccagcacc	aggtggagaa	ggcaggaaga	agttacacaa	ggggtaggcc	aagagtgggtg	76560
gctcatgtct	ataatcccag	cactgcggga	ggccgagctg	ggtgggtgac	ttgaggtcag	76620
gtgttcgaga	ccagcctggc	caacatgggtg	aaagcccgtc	tctactaaaa	atacaaaaat	76680
tagccagacg	tgctcgcgtg	aacccagggg	gagaagggtg	cagtgaagcga	agatacagcc	76740
aatgcactcc	agcctgggtg	acagagtga	actctgtctc	aaaaaaaaaa	aaaaaagtta	76800
cataggggac	agtggcagg	gtcaagggca	ggcagggtct	ctcctatctc	caggataaac	76860
tcatagggga	cttagatgcc	atgtgggtcc	ctaataagccc	tccacttggt	tcttgagcc	76920
actcttatgt	gtatcatttc	atgtcaggcc	tcttcttccc	aacccacca	gccatcccag	76980
cctgggtgcc	aacccacct	cctccagccc	ctgtcacccc	ataattgggg	ccaggaggca	77040
tgggagagtc	gccatctctc	ggtgccatct	gttgcattct	tacagataac	catggctgga	77100
tgcggcagat	cctgggggtg	agcagccgct	gttcagagca	gtgatcaaga	cctccccatc	77160
tccacccctc	aaggaatcgg	ttttcttcca	tagccacatc	aggtgctgtg	caggaaggag	77220
ttgaaacgag	aagccaggag	caacgagaag	gacactaaca	tttattaagc	actgcagact	77280
ctcacagcac	tcccacggaa	tcgatattat	tatccccatt	ctgaagacca	ggcaactgaa	77340
gctcaatggt	taagggaactc	accgaagtca	ccaactgata	aaagtgatgg	aagctgggat	77400
tcaaatccaa	gctaaacttc	cttccaagct	tactccacaa	cacagagggt	ggggaaagg	77460
gataaaaaaga	gaggggagcc	caattccatt	tccacccagc	tcctgaggcg	gagcttgtca	77520
gcacagctct	ctccttccca	gaataggaag	atacccatca	gaggcaagtc	ctagacacca	77580
gcagtggtaa	ctccctgccc	caaggcagct	gcagacagcc	tatggctgta	gttactgctc	77640
ccaaagagtg	ttagaattcc	cactcccagc	ttcggggcca	ctcacacaag	gtgattgaag	77700
tggaaaccag	agactctcca	caatgccctc	ctagagtaaa	tgaggctatg	taactttgtc	77760
caaagtga	atttgaaaac	ctgggggctc	ccagctcctg	aaaagggaag	gatgtggggc	77820
ccttttatatt	catactccac	tttgtgcagc	tctccttgtg	cttatgatag	ccctattaag	77880
aaattcctct	cccagcacgt	ctccttcaaa	gagctctaga	cctgaggctg	tcagaggctt	77940
aggactctgc	ctattagtc	cagggtctgg	atgaccagca	ggacacctgg	cattcagtga	78000
ccactggatt	agataaatga	aacagtgggc	agagtgccac	ccaatctccc	cctgaagttt	78060
gaagaggtcg	agaagtgagg	ctgtccaact	gctgaccctg	ctttctgtcc	acctggccac	78120
ctaacctttt	ctggcttcca	cctgcccctt	tgccatccct	ccccccagcc	cacccagccc	78180
attttcaggc	atacctgggc	acgtgctgga	atagaagccc	tcgttcttca	gaatgatcaa	78240
cagggagccc	cagcccagga	gtacagcaga	gaagaagagg	ttctccagca	cagccgtgca	78300
ggccatccac	cagcgcctcc	ggtacgcctg	ttgcagcgtg	ggggccatgc	tggccccgag	78360
cctgcacaga	aacagagcgc	tgggtgaagg	gccccccagt	ggccccaggg	aagggtcctg	78420
catcatggtg	gcacccgaga	cctctcgggc	cagcccgcga	ggagcccctc	atggaggccc	78480
catagagccc	tgggcttccc	agccggtgcc	aaggagctgg	ctccgcgcgc	actagcagtg	78540
ccagaggtgc	acgcggcacg	gggtccccgc	tgagccacta	tcggaaacaa	ggaaggctct	78600
gtctgcgcgc	tgacgttccc	tagcaggctg	ccgggttctc	tcacccaggc	cagggcgctc	78660
agggccgggc	tgctggggag	aaagtccgca	tctgcccagg	tccccagagg	acagcaagg	78720
gcagagcgcg	ctctgaagca	ccgcgggccc	atgtccggac	tctcgcgcca	ggaaagaccc	78780
ctagaagctg	gcaggaagaa	gggcaagttc	aaggctaccc	tacgacccca	tcttccagtt	78840
gcccctccaa	gacctctcct	tccctctggg	gccgggcgac	agcaagccct	ccccctttcc	78900
gtatcaggtg	accacgacc	ctacagttct	tcgggccaag	ccaacagctg	ccactgtgag	78960
ggagaccag	gacgggctct	cctcggttcc	ctcctcccc	gcgcgcccct	cactcactcc	79020
gcagggctcg	gggcaccagg	ctttgcacct	cggaacccgc	ttgccccct	ccagccccgg	79080
gagggggctc	ggacttcggc	aggaagtctg	gcgggtgctg	actttataag	ggcagcggtg	79140
gcggatgggc	tggcgggcgg	gtgtgtttac	caaaggagg	gaaagagccc	cagctcccc	79200

cgccgcggcc	gctgcagcct	cgccggggagg	agagggaacg	cgccgcagcgc	gggggcggggg	79260
agcgacaact	gggatgagac	cgaggaaagc	ggagaggaga	agggcaagaa	agacccagag	79320
agaggggagg	aagtaccagt	cacttccttc	agggggactc	ggtattctca	tctgtgaaac	79380
ggggcctttg	gttcaagcgc	tccaggagggt	ccgctggaac	tctggcaaac	gcgagctctc	79440
aagcagagga	agtgcagcga	gcggggaccc	gggaggaaga	gaagagtcgg	aggggtcaga	79500
gaaaagaaaa	gggaaggacg	cgcttggcga	gatgggacac	tgtgccgcgg	gaccgcgggc	79560
gcaagtaacg	gtctttcctt	gggaagcctg	gcagtgtcgg	cgggagccgg	cctcgggtgc	79620
tctcagccga	cgcatagcgc	gagaccctac	gcgcgccccc	tccccgccc	cgctgctcac	79680
ctccggtcac	cggcaaatga	gcagccagca	gctgcggacg	cctccgggag	cgcaacgctt	79740
tcgcggcgcg	tccggagtcc	cgtgggcccc	gccctgagcc	gcgcggcgcg	tggggctctc	79800
tctgcgtgca	ggacccggcc	gccacggagc	ttcagcccta	cagcccggtg	gcctcgccct	79860
cgtgtctccc	tcggaagaag	cgggggaaact	gggaaccgcg	cgggcgccag	aggtctgcga	79920
agctgggctt	ggatgaagtg	gatctgcgga	gttgatagtt	gtatttacac	gcgtccggag	79980
ctgcgccccg	aggtgggggc	gggggctccc	ttcttttccc	ctcccccttag	gtcgagtctc	80040
acgcgcacgt	gactcgcgcg	ctggtccccg	acactctccc	tctggcacag	ccccagcacc	80100
tacatttcca	ccctggaccc	ccatcttctc	ccccaaagccc	ccagactaac	atcaggcagc	80160
gccctctgta	tccttggttca	aaacaaagtg	cgattcggct	gaagccgact	gaccgcgatt	80220
cagggccggc	ttgggtgggg	ttttgaactg	tgcagctgga	agcagtgttt	tccgagaggc	80280
agagtggcac	gggtttcttt	ggagttagtc	agatcgagggt	ctgagtcttg	acttttttaac	80340
tgactaccct	gggttaccta	gggcaagtta	cctctctgag	cctcagcttc	ctcctcttta	80400
aattcggtta	aaatggaacc	tacctaactg	cccaaggaa	tcgcgattgt	gatcgaggta	80460
aaatgctaag	catagcattt	ggcatagtaa	gcataatggt	aattgttgct	gctgtcatta	80520
tttcagaaga	cctggtgata	ggatgcttcc	agatcaacaa	ttgattgact	ccaggtaaat	80580
ctctcagcct	ccctgagcct	cagtatcctc	atctgtaaaa	tagactacta	tgggtgtggag	80640
taatgagaag	taatctcatt	acatgtgagt	ttaattgtgt	gttaagagtg	ctgctaattgc	80700
atgctgagct	taatacctag	gtgatgggtt	gataggtgca	ataaaccacc	atggcataca	80760
tttacctacg	taacaaacct	gcacattctg	cacatgtacc	ccagaactta	aaataaaaaat	80820
aaaatttttt	taaaaaaaga	gtgatactgg	tggccagggtg	tgggtggttca	tgccctgtaat	80880
cccagaactt	tgggaggcca	aggcaggagg	atcgcttgag	ctcaggagtt	cgagaccaac	80940
ctggacaaca	tgggtgaaacc	ccgtctctac	aaaaaagaaa	aaaaaatagc	caggcatggt	81000
ggtgtgcacc	tgagctctca	gctacccagc	aggctgaagt	gggaggatca	ctgagctgga	81060
gagatggagg	ctgcagtgag	ccaagatcat	gccactacac	tccagcctgg	gtgacagagt	81120
aagactctgt	ctcaaaaaaca	aaacaagaat	gactacagaa	agctccaaga	aggcctcaga	81180
taaaaggga	ccctgaaca	gatgagccac	caagccaaga	gaggaactaa	tggctaccat	81240
agacaggga	ctttccaaaa	taaaaatact	gttattaatt	cctcaagaca	tcattggtccc	81300
atttaaacct	catagctttt	cacagaggga	gaaactgcag	gcttgaagct	ggagcaagggt	81360
tagaggtagg	atgcagagtc	aggctcgccct	ggcattttaag	tacggctcct	tccattcctc	81420
ccagaaggag	aatggcaaga	gcaaaggcct	agctgtggga	atggcacaag	gagttctcgg	81480
tggccaaagc	acatgtcagg	ctctgatggt	ttactctctt	aaaatgcaat	actgcctccc	81540
agaacttcca	gatcaagggt	aaactcctca	gctctacaca	gggggaccta	gagtcacatt	81600
tctaagctag	gagagtcatg	gatccctttg	agaatacaaa	agacagtggg	cgcggtggca	81660
gtggctcatg	cctgtaatcc	caacattttg	ggaggctgag	gcaggaggat	cacttgagcc	81720
caggagtcca	agacctgctt	ggtcaacata	gtgagacccc	tatttctaca	aaaaattcag	81780
ctgagcatgg	tggcatgtgc	ctgtagtctc	agttactggg	gaggctgaag	taggatgatc	81840
cctgagcctg	ggaggtccag	gaagctggag	tgagccgaca	tctcgccact	gcactccagc	81900
ctgggtgaca	gagaccctgt	ctcaaaaaaa	aaaaaaaaaa	gaagaaatat	gttattgatc	81960
tactcttgac	aaaaatgctt	gtgtgaacat	ggacacacac	actcatcaac	attcacattt	82020
caaggttttc	atggaccctt	tccatgaggc	tctagtgggt	catggacccc	catggctgga	82080
acacttgctc	ttcctcatct	caacccacat	ttccatggag	ttggactgtc	tgctgcatga	82140
ggacacaggc	ctcatttggt	gtgttcattc	actgctgtgt	atcccagcac	ccagaacagc	82200
acctcaccta	aggggcactc	agcacatgtg	cagtgaagag	tcagtcagct	ggtttcacac	82260
ctcccagctc	ttgcacctgc	tattccttct	tgtgggaatg	acagatttcc	ttcatttctt	82320
tttttttttt	ttttgacaga	ttccagctct	gttgcccag	ttggagtaca	gtggcacgat	82380
ctcagctcac	tgcaacctct	gcctcccagg	ttcaagcaat	tctcatgcct	cagcctccca	82440
agtagctggg	attacagggt	cacaccacca	cctgtgagct	gatatttttt	tcttttcttt	82500
tcttttttcc	tgagacagag	tctcactctg	ttgccaggc	tggagtgcag	tggcgtgatc	82560
tcggctcact	gcaagctcca	cctcccgggt	tcaagtgatt	ctcctgcctc	agcctcccaa	82620
gtagctgaga	ctacaggcgc	gcaccacat	gcttggtctaa	tttttgatt	tttttagtaga	82680
ggcgggggtt	caccatattg	gacaggctgg	tctcgaaact	ctgacctcgt	gatccgcca	82740
cgttggcctc	ccaagggtgt	gagattacag	gtgtgagcca	ctgcactcgg	ccattttttg	82800
tattttttta	gtagagatgg	ggtttcacca	tgttggccag	gctggtcttg	aactcttggc	82860
ctcacgtgat	ccacccacct	tggccaccca	aagtgttggg	attacaggca	tgaaccactg	82920

cgctcagcct	ccttcttcat	ttctaagtga	ctcatccttc	acaactcagc	tcaagtttca	82980
cttctctctg	gaagctctac	tctaggtctg	attcagggcc	ttgtccacat	accacccaaa	83040
tactctgctt	acctctatgg	aagtccccac	actgatctag	aataatcagc	ttagttttct	83100
gcccccatcc	cgccccatga	gatgtacatc	ttgtgggggc	aggaaccacc	acgtggtagg	83160
tgatttgtgt	gcctgctgcc	tatcacaggg	cctggcgctt	aataagcttg	cggccaacat	83220
ttgttggaata	aatgaaaagg	gaatggtggg	aaaggaagct	gaaaaggtag	gctaaaatca	83280
gtttggaatt	acctctggga	ggccaaggac	tttcagtcct	gcagggtagg	taacaggaaa	83340
ctcctggatt	ttgttttctt	ttgggtttgt	ttgtttttta	tgaagggtag	cgttatcgct	83400
aggtttttgt	gtttaattaa	tggagcatat	attggaaagg	acagagacct	taaagcagtt	83460
aggagaccac	cataatagtt	cacattttgc	agccataaaa	aggaatgagg	ccaggcatgg	83520
tggctcactc	ctgtaatctt	atcacttcgg	gaggttgagg	caggcggaac	acctgaggtc	83580
aggagtttga	gaccagcctc	accaacatgg	agaaacccca	tctctactaa	aaatacaaaa	83640
ttatccaggc	gtggtggtag	atgcctgtta	tcccagctac	tcaggaggct	gaggcaggag	83700
aatagcttga	atctggggagg	cagaggttgc	ggtgagccga	gatcgtgcca	ttgcattgca	83760
ggtacatgga	tgaagctgga	agccatcatc	ctcagcaaac	taacacagga	acagaaaacc	83820
aaacaccgca	tgttctcact	cataagtagg	agctgaacat	tgaaaacaca	tggacacaga	83880
ggggaacatc	acacactagg	gcccgttggg	gagtgggggt	tggggggtta	ggggagggaa	83940
cttagaggac	gggacaatat	gtgcagcaaa	ccaccatgac	acacgtatac	atatgtgaca	84000
aacctgcaca	ttctgcacat	ggatcctggt	ttgtttttaag	aagaaataaa	gaaaaaacca	84060
agaagaaaca	aacaaacaaa	aataattccc	atttaaaaac	ataaaaaata	ggccaggcat	84120
ggtgactcag	gtctataatc	ccaacacttt	gggaggccaa	cgcgggcaga	tctcttgagc	84180
ccaggagttc	aaggccagcc	tgggcaacat	ggcaaaaacc	tgtctctaca	aaaaatataa	84240
aacaaacaaa	caaaaatagc	aggagtgggt	gtgcatgcct	gtcatcccag	ctactcaggt	84300
ggctgagggt	ggagaatcac	ttaagcctgg	gaggcgagg	tagcagtgag	ctgagatcgt	84360
gccactgcac	tccacctgga	gcaacagagc	aagattttgt	ctctaaataa	ataaataaaa	84420
taataaaaaa	cagagaagag	gaaagacacc	tgagatatat	ttccatatct	gaatcaatag	84480
gatttatcaa	cgttctcctc	tacccccaaa	actaattcct	tcctaaactc	tgttctcctg	84540
acactactca	taggttaagt	ataacagcat	tatcacattg	gctgtcatgt	gggctcctgg	84600
ctagaggctg	cttcacagct	taatggacaa	gagcactgag	acagggtggg	tctaaatcct	84660
ggctctgcag	ctgattattt	gtgtgatttt	gtccaaatca	ctccatctca	tgagcctcac	84720
tcttctagtc	tgtaaagtgc	tgaaaataaa	agtatccaat	tcaattcatt	atttaatgaa	84780
ttatttagcc	taacaaatag	ctattataaa	tatttaggct	gggcacagtg	gctcacgcct	84840
gtaatcccag	cactttggga	ggccaagggt	ggcagatcac	ctgagtcagg	agtttgagac	84900
cagcctgacc	aacatggtga	aaccccgctc	ctactaaaaa	tacaaaaatt	agctgggtgt	84960
ggtggcatgt	gcctgtaatc	ccagctactc	aggaggctga	ggcaggagaa	cgcttgaacc	85020
caggagacag	aggctgcagt	gagccaagat	cgtgccactg	cactctagcc	tgagcaacag	85080
agcaagactc	tgtctcaaaa	aaaaaaaaaa	aatctctgca	tgaagaatgt	acataaaatg	85140
gtgcagccat	ttcggaaaaa	agtttggcag	gtcctcaaat	agttaaacat	agagttacca	85200
ctatagccca	gcaattccac	tcctaaatat	actacaccca	agagaattga	gaatatttgt	85260
taacacaaaa	atgtgtatac	aagtatttat	agctgtatta	tcattacag	ctaaaaagtg	85320
caaacatccc	agcagccat	cagctgatga	acgggaaaac	aaaatgtggt	ataccatac	85380
aatgtcatat	tatttggtcca	taaaaaggaa	gtactgatac	atgctacaac	atggatgaac	85440
cttgataatg	ttattctaa	tgaaagaaac	cagacacaaa	agaccacata	ttgtatgact	85500
gcatttatat	gaagtgtcca	gaataggcaa	atccacagag	acagaaagta	gattagtggg	85560
tgccagagac	tggaggagg	agataatggg	aaatgtggaa	tgactgctaa	tggtatgggg	85620
tttcttcttg	gggtaatgaa	aatgttgtac	aattagataa	tggtgatcat	tgtaaaactt	85680
tgtgaatata	caacatgctg	aattttatata	tttattatat	tttatttttt	ttgagacaag	85740
gtctcgctct	gtcaccaggg	ctggagtgc	gtggcacgat	ctcagctcac	tgcaatctct	85800
ctgctctcca	ggctcaagca	atcctcctgc	ctcagctctc	tgagtacctg	acactacagc	85860
atgtgctacc	atgcttgagc	aatttttgca	tttttagtag	agacagggtt	tcgctatggt	85920
gcccaggctg	attttgaaact	cctggactca	agtgtctcgc	ccacctcagc	ctcccaaagt	85980
gctaggatta	cagggtgtaag	ccaccactcc	cggcctaaat	tgtattcttt	aaaagactga	86040
attgtatggg	gtgcgaatta	tatctcaatt	taaaaaaaac	aaaacaaaac	aaaaaaaaaa	86100
cctttgcgtg	tgtagggcac	tagggattcg	atgctgaata	agacacagac	cctaccctca	86160
gagaacacag	agcccagcag	gagagagtca	cagatgaatc	aagtgttaca	tcattctatag	86220
gaagcgccat	ggaagaaaga	catggtgcca	tgagaacata	cgcttagaga	aggggaatttc	86280
atctagactg	gggctcaggg	aggaatcttt	cagggtgatg	cttgtgtctca	gagttttcca	86340
tgtcagaatc	agtagaattt	atcaatcctc	cagaggagga	aacagcaaat	gaaaaatctt	86400
acaacaggag	gatgcggaga	cattccgaga	gctgatcaag	ggctgggtgtg	aacaaagcac	86460
ataggatgca	gagcctgtgg	tgtgaggttg	cagctggaaa	ggtaaaacac	taattacatt	86520
ggatcttctg	agacaataaa	gagtatgcaa	taatctcaaa	cgaccgaaac	tgaccttctt	86580
cctccctaac	ttgcttgctt	ccactgttgc	ccgtatcata	aaagcaccac	cctcttctac	86640



ccagtggctt	aagacacgaa	actcaagtca	tcccaggctt	tctccccacc	tcaactctcca	86700
catccagcct	atcagcgagc	ttgtgggtct	taccacgtaa	agacttctca	tctccagcta	86760
ctaccatccc	ccaagcccag	atcaccatca	gctcaggcct	ggactcctgc	aacctttcta	86820
accgggtctt	cccaatccta	cccccgcaac	atgaccccaa	tagcccatca	gaatggacta	86880
atcgagatgt	agatttgatc	aggccacatc	ccttgaaagg	cttcctgtga	ccctcgggga	86940
aatgcacaaa	ctcccaatga	tggcccctga	gtcctgtgcc	atctgggtct	gccctctgcc	87000
ctctgtgtct	ttgccatggt	aacctccttc	acaccatta	atactccatg	ctctctccta	87060
cctcaagttc	ttcctgggct	ggaacattct	ctgcactagc	ctagccaact	aaccttttag	87120
atcttttggt	tgtttggttg	tttgtttggt	tgtttttgag	acagtcttgc	tctgttgcca	87180
ggctggagtg	caatggtgca	atctatctcg	gctcactgca	acctctgcct	gccgggttca	87240
agcaattctt	ctgccttagc	gtcctgagta	gctgagacta	taggcaccta	ccatcacgcc	87300
cggctaattt	ttgtattttc	agtggagggtg	ggttttcacc	atgttggcca	ggctgggtct	87360
gaactcctgg	ctccaaatga	ccacctcctc	cggcctccta	aagtgcctggg	attacaagca	87420
tgagccactg	tgcccaggca	acacttcaga	tcttaatgat	catttccttt	aagtgcctga	87480
cctctttagt	taactagcct	gactccagca	atgaatcctt	ttgcaatgta	acctatataa	87540
catctgagtt	tccctttgat	aaaactcatc	atataattgt	tcctctgaca	gttcagaggg	87600
caagggcctt	tgcccacctt	cctcaccact	atcctctcac	cacttaacac	agaactcacc	87660
accaccatg	cctcctgcct	gacaaattcc	taaccatcct	tcaaattctca	ctcacctatt	87720
accttctggg	aggcagtctt	ccctgagcac	caagacaatg	ggacacattc	ctttatacac	87780
cctgctgaac	atctcttttt	tgaggggctg	gtagagatga	gtgtctcact	atgctgcccc	87840
ggctgacctc	aaactcctgg	cctcaagcga	tcctcctgcc	ttggcctccc	aaaatgctgg	87900
gattacaggc	atgagccact	gtacctgacc	gcaactgggt	tagnnnnnnnn	nnnnnnnnnn	87960
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	88020
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	88080
aaaaaaaaaa	aaaaaaaaaa	aaattatttt	aaattagcca	gacatggtag	tgcatgcctg	88140
tagtccaagc	tacttgggag	gctgaaggga	gaggatcact	tgagcccagg	aggttgaggc	88200
tgcatgagc	cgtgatcgta	ccactgtact	ccagcttggg	caacagagtg	agacctcatc	88260
cctaaaaata	aagaagaaaa	tatggcaatt	tgactgtaca	tctctaattg	gatatacctt	88320
aaggatgaga	aaggaataag	gaaggacaga	aaaaaggaaa	caaagaagta	gcaacagtat	88380
ttagcaattg	tattgttatc	aagtaacatc	aatattggta	aaaccagtaa	ttatatttaa	88440
aatactatat	atgtgtatgt	acattttacat	atgcataatg	taggaaccaa	gtttatcaga	88500
ggaagagaaa	gggtacaaaa	tgtaaaatca	aggaaataaa	aatttgaata	aaaatatcag	88560
tattaagtat	tattgatatt	tttcttataa	aaaaattata	tatatgttaa	ctctatccaa	88620
aacccaaaag	cagtgacaac	ccaggagcaa	taaaaaacct	cagcatccag	actgtagtct	88680
ctaccatttc	caattaaaga	aaccaggggc	tagttgggaa	aaatgacaat	ttcatgtcta	88740
gggcaagaaa	cacacctagt	gaaatggacc	tgaacattta	attgtgttag	aaagtaagga	88800
aactctctag	aaataatgtg	atttcatcta	aaagacacag	attctgggct	ggtaaagttt	88860
tcaatggcca	aagggtgagac	aatttgagca	tcaagaagaa	tcatgacaga	acagattaaa	88920
acatgtcaaa	tatattttaa	aatgaaatat	tataaaagaa	acaattagta	gccatccctg	88980
aaggctcata	gggcaccaac	tcataattca	aactggtaaa	taaatgtgta	agccaagcat	89040
ttatttctgg	gtaacaaaat	agtaagggaat	gtttttcttt	ctagaagaat	tctagtgtat	89100
aaaagtagaa	gatagaaata	gaaaatcatc	cttttgccca	ggggcagtg	ctgtaatccc	89160
agaactttgg	gaggccaagg	caggtggatc	actggagatc	aggagtttga	gaccagcctg	89220
gccaacatgg	tgaaacccca	tctctactaa	aaatacaaaa	attagccagg	tagtgggtgc	89280
ctgtaatgcc	agctactcgg	gatgctgagg	caggagaatc	gcttgaacct	gggaggcgga	89340
ggctgcagta	ggctgagatt	acgccactgc	actccagcct	aggcaacaca	gtgagactct	89400
gtctcaaaaa	aaaaaaaaaga	aagaaaagaa	aatcatcctt	ttgcgatcct	aatgaaataa	89460
tgggcctagg	cattgatcat	taatggctcc	taaaatcact	aagtatatgg	ttgatgggaa	89520
actttatagt	ggatggatca	gactcgcaat	gtctaaacca	gttgatcaat	cttaacatcg	89580
taacaagaca	acagacacca	ggggctgctg	acaggagaac	agaggaaaacc	catagctcta	89640
ccactgagtt	attcacggca	aaaaaaaaaa	aaaaaaaaatt	aaactgcgtt	tcctccaagc	89700
ttctaattcct	gttggtttaca	ggaaataccc	aaggaaaagga	atacttttaa	atgacacatt	89760
aaaacaacgc	caaatccaaa	atatggggaa	atgacccagt	ttcttcaaca	aataaacaag	89820
aaaaggtagg	ggggaggact	gttctagatt	ttaaaagcta	tagaagacac	agcaacccaa	89880
tacactgcat	ggaccaggca	tggatcctaa	ttggaacaaa	ccaactgtaa	aaggatgtat	89940
ttgaaatgat	tggaggaatt	tgaacagtga	ctgcacagta	gatgatatga	agaaattatt	90000
gttatttttt	aggtgtgatc	atgattttat	gggtgatgtt	aagtaaaaga	ggccttattt	90060
gttagagata	catgtacggg	tatagagaaa	tatttacgga	tgaaatgata	cgatgtctga	90120
gatttgcttt	gaaaactcta	gcagggtgtg	gagaagcagg	tgcatgggtg	gggggaagga	90180
tagatgaaat	aagtatgcaa	aatgttagtc	tacttttgtc	cctcctgacc	cagcagggtta	90240
aaatacctca	gcatacctct	actcctccaa	ccagggtccaa	ggatcaggcc	aaaactccct	90300
gatgtggtaa	acagcctgac	cccttcttac	ctctctctct	ccagccactt	ccctaagatt	90360

ccccagtgc	ctgtgcccta	gccagcccga	ctcatctgcc	cagattcctc	aatgtttcac	90420
tctctcattc	accattttga	ccccactgtg	ctcctgggce	actctccaag	gccccgcctc	90480
ttcatctcct	ccctcettac	tcattccttca	ggctctggct	taggtgccat	tccctccagg	90540
aagccttccc	tgacaccaat	cccatcctca	cctagaacag	attatgtgcg	cttctttgtg	90600
cccccatgg	ccccctgtgg	gtttgtctca	cggattataa	ctgcctgact	acctgccttt	90660
ctccaccctc	tagactgaga	acaccttgag	aaaaagaaca	catctatctt	gtctgtcatt	90720
gaatccctgg	tgtctggcac	catggctgac	acataactat	cactcagtga	ctagtgtttt	90780
aatgaatgaa	tgagtgcac	tagacagggg	taagaacaaa	agagaagacc	aggcatgggtg	90840
cttcacgcct	gttatccag	catttttggga	ggctgaggcg	ggcagatcac	ccgaggtcag	90900
gagttcaaga	ccagcctgac	atggtgaaac	cccgtctcta	ctaaaaagac	aaaaattagt	90960
gggggatggg	ggcacacgcc	tgtaatccca	gctacttggg	aggctgaggc	aggagaatct	91020
cttgaaccca	ggaggtgcag	gctgcaatga	tctgagatca	caccactgca	ctccagcctg	91080
ggcaacagag	taagactcta	tcacaaaaaa	aaaaaaaaaa	aaaaaaaaaa	gagcgagaga	91140
agatgtcatg	gggtaaatga	agacctccct	tcctggttcc	ctgaccagcc	cctgccctcc	91200
cccgcatctc	acctgtcttt	cttgcttcc	tctgggtactt	ctgtttaagc	cggctccatga	91260
gcaggccatt	ccagggggca	cacagcactc	cgaactgagt	gaaggcaaa	gcatttgtgt	91320
aggtgctgac	tgcagaagga	agagagaggt	tggttgatga	gaagtttcca	aaactccctt	91380
ccaggcaggg	actctcccac	cttacccttg	tctgcatgtc	cctcctcccc	acaccatcag	91440
accctcctct	gggtgtgtaca	gccctgctgg	gaggctctgt	gttcccagct	gggacatgca	91500
gatgggctac	ctcccagccc	taccacatac	ctcgtgccat	gtccccaccg	gccatgttgg	91560
tcagcaagga	gttgagagt	ccaatgaaga	ggtagtgcca	caactgtatc	acagacagcc	91620
acaccaggtg	ccaggcaaag	cgccgagaga	aagcgtagct	ccagaaggag	cggagtctct	91680
gcttctgccc	tgccctggg	gtctctaata	gggagaggag	gatctgggag	tgaattacga	91740
ggaaagtggg	caggtaggat	ggggagtgtg	gaggcttcaa	tggaaacattt	cagatccggg	91800
cccaccttct	accttgggt	cccagaactc	acccggcggtg	ctctgcacct	gcctcggact	91860
cacacatccc	cacctccctg	ctttgtcatg	ctggccctac	caccttggat	gacctctgt	91920
gttcttctct	attgaaatcc	gatctgtctc	tcacagcctg	gtcaatgaca	cttcttgcag	91980
taataccttc	ctgatctttc	tcagcgagaa	aggtgaaagg	aacgacaagg	agaggagaaa	92040
gtcagaaggg	agaggagaat	gagtgtggat	actctgttct	aacctgctcc	tcagcacctc	92100
cctttctttt	gataccagta	tcctgagttt	ctttgggaaa	tcttctctta	ccctaattct	92160
catggtccag	atgggacct	gaattcagtg	tctgttctct	ctctcaagg	taaccaatga	92220
gatggttcc	cctaacaagg	cagaccggcc	atgagtttag	attaggtagg	acttaattcta	92280
aaataggtcc	tacaccttgg	caagttcaat	gtcctccctt	gatttttgaa	gcttcccaga	92340
accctattct	tctttcttta	aaataaataa	ataaatacat	gttttgatc	caattgtcag	92400
atggtaaaaa	taaaaacaaa	aaaatcaatt	ttattctgta	tatttaagat	atacaatatg	92460
aggtcatagg	atacatatag	ctactaagat	ggttactaca	gttaagcaaa	ttaacatata	92520
catcatctca	catttctacc	tgttttgtga	caagagcagt	taaaatctac	ttgttttagga	92580
aagtcccaaa	cacaatgcag	tttgatgacc	tacagtcttc	gtgctgtgca	ttagatctct	92640
aggcctgttc	atcctgctca	tctgtctctt	tttgtctctc	gacctgcata	tccatctccc	92700
tctcccaccc	cgttcttatt	tctactgtag	ctagtgcgg	ttgtgatgt	gtgtaaccac	92760
agacgcagaa	cagagaggaa	ggaaaggga	cagtgtataga	gttgggacaa	taagagaggg	92820
cggaccagag	agacctggag	aaatgggggc	actgtaccag	acttagtgca	atggcatcac	92880
agaagagggc	agaaccgagg	agtgggggga	agggaaaggca	acccatggca	ggcgggcttc	92940
aaggggtggg	gaagtgatag	gatgcgaaat	agagaaaaga	gggacagaaa	agagacgaaa	93000
gccctggacc	ctccattaag	tgagaggggt	gggaagatgc	ctaaggccct	ttttctgtcc	93060
tgcctttcct	gattctgggt	ccctggggga	gctctggagg	tgagggggcca	ggaaaggcac	93120
aaggagaggc	ttgggtctgg	aggagagatg	ggttagccag	cagggtcac	cttctctcgc	93180
tgaaaggaa	tcctttgact	gtagctccct	gttttcatgc	tcagctgttt	ccttctcttc	93240
ctttgtgggt	ccattcccag	ggcacaggct	atggaaacaa	aagccccacc	agcaaggcca	93300
aggactgtga	gccgaacctg	agactcagac	tggagggaat	agcatgggtga	atcccacatt	93360
ccaccgcact	ttggaatcac	cttttagcca	ctctgatgcc	caggttgcag	accagaccag	93420
ttaaatcaga	atgtctggag	gtgagagcca	ggcttccctt	tctaagatct	ctatgtgaat	93480
ctagtgatcc	taataagcag	caaagttag	gaagcatgaa	aagagtaggg	caggcccagg	93540
ttcaaatccc	agctctgcct	cttcctagca	acagaaagat	ggctcagact	taacccttct	93600
gagcctcatt	ttttgcattt	agaaaatgga	gataaggata	tctcagagga	ttattgtgag	93660
gatgaaatca	gagagcacat	ggggtctgac	aattagtaag	tgagcagcaa	aggaatgccc	93720
ttcctctact	ccttgtggca	aatgactgca	aaaatgatca	catttcttca	cctcctctgt	93780
atctccccca	ttttgaatga	gactgcagct	ctatttcccc	atgcccgtgaa	tctgggccag	93840
ccctgtgaac	tgcttcagcc	aaaagaatgc	agcagaagtg	gctgtgccaa	ttccaagctt	93900
aaatctcaag	aacgcttgtg	catttctgca	ctcttttcaga	accctgaaat	cacggtgtga	93960
atgagcccac	gctggcttgc	tggaggatga	cagccacgtg	accagggcat	ccctgtcact	94020
ccaaacctat	gtgagtggag	ccatcctagc	atagccagcc	cccatgtaat	cctccaaatg	94080



atcagatgta	tgaatgagcc	ctgtcaaaaat	catctacatc	tggccctgat	cagcgggaact	94140
agccagctac	ccacagactt	gtgaaaaata	ataaatgctt	aacatttttag	gctgctgagt	94200
tttgagatag	tttgttatgc	agcaatagct	aacagatgca	ctgctccagt	cctcctcctc	94260
tcctgtgata	ggtttgcttt	accctgtcca	tcccacccta	gggccaatga	ggggctctgg	94320
cccacaatca	ccagatagtc	cttaccata	gctgtagtgt	gggggcagt	gggtatgggat	94380
gtgcccccg	ggcatcagga	ggaaagtgcg	tgctacatgc	caggtactgc	agacagagat	94440
gaagatgaag	gaggccctga	ggctgatgcc	tttttcataa	agaagctgca	gaaggagaag	94500
gaaaaagtca	gtgtcacacc	cacgttcata	gcagcactat	tcacaatagc	caaaggatgg	94560
aagcaaacta	aggggtccatc	agcagatgaa	cagctaaaca	taatgtgatc	tatacacaca	94620
atggaatatt	attcagcctt	aaaaaaggaa	agaggcaacc	atgctggctc	acacctacaa	94680
tcccagcact	ttgggacgca	cgaggatcac	ctgagcccag	ttcaagacca	gccttgacaa	94740
catagtgaga	ccctcacccc	ttctctagaa	aatttttatt	taattagctg	gggtgtggtg	94800
catcaccttg	tagtgccagc	tactcaggag	gctgagtggg	aggatttctt	gagcccagaa	94860
gtttgaggct	gcagtgaagc	atgactgggc	cactgcaccc	cagcctggac	aatgaaacat	94920
gaccttgctt	ccaaataaaa	aaaaaaaagg	aaaggaaaga	aattctgaca	catgctgcaa	94980
catggatgaa	ctttaagagc	actatgcagg	gccaagctca	gtgggttctg	cctgtaattc	95040
tagtgcttta	gaagaccaag	acaggaggat	tgcttgagtc	caggagcttg	agaccagcct	95100
gggaaacagc	aagacctcat	ctctactaaa	aataaataaa	taaatcagct	gggcgtgatg	95160
gtgcacgcct	gtaattccag	ctacttgagg	ggctgaggtg	agaggatatg	attacatgat	95220
tacatgcctg	taatcccagt	actttgggag	gctgaggcaa	gcagatcacc	tgaggccagg	95280
agttccagac	cagcctggcc	aacatggtga	aaccccgctc	ctactgaaaa	tacaaaaatt	95340
agtggggcat	gggtggcacgc	acctgtaatc	ccagctactc	gggtgggttaa	ggcaggagaa	95400
tcgcttgaac	ccgggaggcg	gaggttgtag	tgagccaaga	tcctgccacc	gcactccagc	95460
ctgggcaaca	gagcgagact	ctgtctcaaa	aaaaaaaaaa	ggttaagata	gtaaatttta	95520
tgttatgtat	atttttattgc	atacaaaaac	atcagcagaa	gaggcagggg	ctggaaccct	95580
gttttctaag	gagtcttagt	acaagccatc	acctactatc	ctgtaagctg	attagggaca	95640
cctggtacac	acatgcccc	acccacccca	agacacaccc	ggcagtagag	gagtcctcat	95700
acgacccatc	cccacagccg	gtggagcctc	ctcgtgtggc	tcccagaga	tcttctagcc	95760
cagtgccttt	tttcccccaa	cgacagcaaa	ggccttttgt	tcaaagaaaa	ttttacacaa	95820
aaattcatct	tacaaaacac	accaatgggg	agcttgccag	tcattctcct	ctttattctc	95880
cttggtagct	ggtagacat	caaagagagt	ccctaagttc	ctcaacagct	cagtttgaaa	95940
accaccgacc	tagcccaacc	tcctcccat	ttacagagag	tgacgttgag	gtccagagag	96000
gtgcagtga	ttgctcaata	aattgacaga	gtaagcagca	gcaaagtcag	attaaactaa	96060
gaattcctgt	tcctgctccc	tttccccctc	caactctaga	gagacaggag	agaggctggg	96120
catggtggct	catgcctgta	atttcagcac	tttgggaggt	caaggaaggc	ggattacttg	96180
aggtcaagag	ttcaagacca	gcctggccaa	catggcgaaa	ccccatctct	actaaaaata	96240
caaaaataag	ctgactgtgg	tggcacgcct	atagtcccag	ctactcagga	ggctgaggca	96300
ggagaattgc	ttaaacccac	taggcagaga	ttgcagtga	ccaagatccc	accaatgcac	96360
tccagcctgg	gagacaaagt	gagactccaa	ctcaataata	aaaaaaaaaa	aaaaagagag	96420
aggaaagaaa	gatgaggcag	ccatctgggt	tctccagggg	aaggagggag	aaccagaaaa	96480
gtgactctta	tgccaggagt	agaaaaggct	gtaggcctca	ggggctcagt	ctctgcataa	96540
ccctccaaac	ctccaaagct	tatgggacta	agctagactc	atgtctgggt	ggtgactgcc	96600
agagatcctc	ttctctgccc	ccataacctg	caggcagtgc	caactgcctg	tgacctaaac	96660
ctaagcccag	agagaagtc	caggttggat	ggcttgagat	ccacactctt	cccttccttt	96720
cactcagcca	tctgtggtgt	gctggcttta	gtcctccagc	ttgctgcctc	ataattgaag	96780
catggttgcc	acaactccag	ctatcacatc	ctcacaccac	aacattcaat	gaggaagact	96840
ttgtttttac	tctgctttca	ccttgctgca	gggaagaaaa	gtccccctga	atcttccact	96900
atatacactc	cctttatctc	attaaaaagg	actggatcat	atgctgacct	ccacctatca	96960
ctagcaacgg	gtaaatggat	tgccatgggt	ggctttaatc	aatcaggatt	catccccctg	97020
gctaagcggg	tcactgcccc	gataaaactg	ttcgcaatga	ataagacaga	atggttgttg	97080
attgacctct	aatagccttg	gcaacagttc	atccccctgat	accccaacat	cagccactgg	97140
gacagctgga	caagcctctg	tgtctgcccc	tgctgtaccc	actagccact	tgccaccttc	97200
ttgtccaaac	tagaagctca	cagcagcaaa	cgccccactc	taaagggtccc	ccagcctcta	97260
cccaacactg	gccaagcac	attatgacca	ctgccacaaa	agcttgggca	agtctgaaga	97320
aggggcttag	cggttacaag	ctcaggctct	agaaccgaca	agcctgggtt	caagttccag	97380
tatcatggct	actagctgca	gaaccttcaa	caagcttttt	aacctcagag	actcaaatgc	97440
ttcatctgta	aaatgggggt	aacacagtac	ctacctcacc	gagttgatgg	agacaaataa	97500
tcaggttca	taagacaagt	gtctggcata	tacaagtgcc	cagtgaatgt	aggctgttgc	97560
tatatattacc	ctaataataa	ggaagactgc	cgaggaaagag	tcaaagtctc	cattgtacag	97620
agtattgatg	gtcgaacggg	gttggccaaa	taggttccca	atctggggat	gataggacta	97680
gcctggatca	cttattttatt	catgaaacag	atacttctctg	agcaccacagc	atgtggcaga	97740
ccctccttat	acccaaactc	accctccacc	gctagagctc	ccacctcagc	ttggggccaa	97800

cccatctgag	gcagccaatt	atagaaaagg	gtctctcctt	ccctccacct	tcccgccacc	97860
ctgccgagtg	cctgggatta	gggaaggctc	ccacctgcag	gttgggtgatg	agaaacagga	97920
ttcccccaat	ggtgagcatt	ggcatggcca	ggaagagcag	cacggctgag	cctggaccat	97980
caaagtcaga	ggtagggtgg	tgcatagtg	caacccaaac	atggagcccc	aaactctgct	98040
cccacctgct	ccaaattccc	aacaatcctg	gtatccaggc	cccaattcta	gccagcgttc	98100
cagcgtcctt	caagggtttt	taggataccg	gccaaggctt	ccccagatat	ctctgtggaa	98160
gtcttctgag	ccaccttctt	cccaacccaa	gttggctctc	agtctgtggc	aggccaggaa	98220
gtctacagac	agaggcagag	ctctaagtga	agccacctct	ctcttccctc	agtaaaccac	98280
aagctgcctc	tccctttcat	ccttgacact	cctggaaaag	aagaccctgg	actcagggtcc	98340
ctggctcaac	cctctagccc	attccctaatt	tcatgggtatt	ggccttgagc	ttcaatcatc	98400
tgtttaatgg	gaacaacagt	tcctgtctct	ctgtctcag	gtgctatgag	aactgagtga	98460
gaaaaggacc	atggtctttt	ctttgttcac	taaacctcga	gcacttcttt	ggtgccaggc	98520
attgtgcttg	gcactggaaa	tgcaagatga	atcagatagt	ccttgccctt	aaatagactg	98580
acatgcaaac	aaatggttat	aacaggctctg	gtaagtgtga	gaccacagca	aaaaagctca	98640
agagctgggc	taggggaacc	cctgacaaat	tcttctctcc	caaaccagac	ttctgcccac	98700
cattattctg	gccacaacct	atgcctgtcc	tattatttgc	taaaatgttt	taagttgact	98760
cactttttatc	caaaaagtat	ctatttttaa	aggacacttt	atatcactac	tgtagatgaa	98820
aacactggca	ttacttgtca	tgaatagaaa	gtaactgtca	aaataaatac	aatgaaagga	98880
aaacaatggt	attcaattgt	agctggatgc	atlttgacct	agaatgttca	aagcctaaga	98940
cctgctcttc	ccatcagtg	taaaatcaca	ctggccccac	atgaagacat	tctttctatga	99000
aatcagaagg	actgaaagag	aaataaaaaag	ggaatagctg	ttctaccagg	tgattctgatg	99060
tttgtagtg	tagttcacgt	agtatgcgtg	tgccccaaac	atcctcttaa	ctaccgtgct	99120
ataccttaag	aagcactgcc	aagagctaat	tttagagtat	tcacacagtt	taccattcaa	99180
tttctgtctt	tataaaatgt	acatctctcc	tactactaaa	ggttggagac	tcctttcaca	99240
atagagtcc	tatgggctca	atgctttttt	caaaactgaa	aagccctata	ttatggagga	99300
agaggaggat	tggtgtctcag	acgatttgca	ggcacgagtc	aaacattacc	cagccaccac	99360
ctccacattc	agttgtctaa	aaatcattta	caggctttta	gagtagatga	tgctggtttg	99420
ataaggagag	tggtttgaaa	taattggttt	gaggtgctgg	gccatctcat	gagatctgtg	99480
tgaacaaaga	cactcagcct	ctgtgtttgc	ccagcatgag	tgacagacaat	ctcatgatgc	99540
tgtagcctt	agcatagctt	acacacacaa	gagtaatgta	ctttctttcc	taaaccataa	99600
attgagccac	gggtctaaca	ctaggaagga	atattgggag	gcacatctgtg	gccaccataa	99660
ccaaggcaat	gcagaaaga	agagtggagg	atcaggaggc	ctgcacatca	ggcccacctc	99720
ccacttgctt	tctctgtggc	catggacatg	tctttgcaag	gggtcctgct	gtggcttcag	99780
tttctcctct	gtgtaatggg	tggaagggtg	gtggaaaata	aaccagattg	gagttccaga	99840
cttaacagac	tggtgaaatt	ttaaaacaaa	gattttgagt	acaatagggg	tgtcaacttt	99900
taccctgcta	agtaaggata	tttgcaaaat	ggctattcat	ataatcattt	cattaaaaag	99960
agaaagagaa	catttttaaca	cataggagaa	ggatgtaaaag	gtttttttgtt	gttgttttgt	100020
tttttaggg	tttttggttg	ttttttggta	gagtcctact	ttgtcaccca	ggctggagtg	100080
caatgggtg	atcttggtct	actgcaacct	ctgctcctcg	ggttcaggca	attctcctgc	100140
ctcagcctcc	tgagtggctg	ggattacagg	cgcgcaccac	catccagcta	atttttgtat	100200
tttttttagt	agagaaggga	tttcaccatg	ttggccaggc	tggtcttgaa	ctcctgacct	100260
cagatgatcc	accgcctca	gcctcccaaa	gtgctgggat	tacaggagtg	agccactgca	100320
cctggccaga	tgtaaagttt	tgaataaatt	ctactctctg	aagtaatccc	tctccatcat	100380
ccttgctttt	cacattttct	caataaactg	ttttcacaga	ccagcaatag	ctcaagatcc	100440
ttccaggatt	ctttcaagct	gcagatctct	gaataaccat	gtggctctgta	tatcttgcc	100500
atagccctct	gtcacacact	gccccagcca	ccagggtgct	ctgagcttgc	atccctccca	100560
cccacctgac	agcactcacc	tgacagagtg	aaggctatga	tgagtgtggc	ggtgggtgtg	100620
aaaaatctga	aacacataac	aggaaaagca	gaatattgtc	aaggaggagg	aaacctggga	100680
gaaaaaacat	gattctgctc	agccagccca	caagtgtagg	acttgaccgc	accctcagcc	100740
tggtgatgca	cgggcactga	tgctcttgag	ccccaggctc	aaaaccaggc	gcaagaagcc	100800
gcgatgagat	tgagatgtgg	tcttgacctc	atggacagtg	catttttgctc	attctgaggc	100860
ccaaggctag	catggaaagt	cctggacaat	gagctcagct	gacgatgtga	ttggcttggg	100920
acttagccag	gacagaatgg	gcaaagcgaa	ggctctccca	cctggaagcc	ccaacagccc	100980
aacccttg	agaaaggggt	tagtgccctg	tctgcaaatc	aaggccttga	gttctaactc	101040
ctcctcactc	tgtagacctg	ggcaaggcgc	tgctcttctc	tgggcctcag	gagccttttc	101100
tataaaaaaga	aatgatcgga	ctgatctagc	tcagagtgt	atgatttcag	gactacagtc	101160
ccaagggttat	caggctccct	tagcattttg	gggtcttgta	aggcatggag	taaaaaaaa	101220
aaagcaatat	cctaaggctg	gagaagagg	aggggacaaa	ggaaggggag	gaaaggggag	101280
gtagcagga	gccaaggacc	aagaaggact	gaggtacagt	cattctgcat	ccaaaggctt	101340
aaattgtaag	ggactggctt	tactctggct	gtttccggaa	aggcaggccc	agccagccct	101400
cccgctctctc	tctctgacag	ccaatctcac	atgtgcctcc	ctgggagcac	ctgctctgag	101460
ctgtatcagc	ccccagcagg	ccgctgatta	ccactgagcc	tgccacagaa	gcacgagatt	101520

aggatgcagc	aacacactgt	gtgtgagatc	acgtcccgaa	ccttctgact	catctgcaca	101580
ggaaccccc	ccagtctccc	ctccagtcag	aagggaacctg	aaattccacc	agtggcaata	101640
ccaaagaaac	ttcctattag	ctaagcccct	agggagtgat	tggctgttgg	ggcggggagg	101700
gggggcggtg	aggaggatga	ggatgaagcc	tgggcaacct	ggatgtgagg	ctgtgcaggg	101760
gatgaggaca	aggatccttg	gggtgaagga	agagaagagc	aatttttaggt	tttgctaatt	101820
ttgtaaccct	ggctccaagc	cagcccttac	aggaagtcac	cctggcctcc	ggctcaattc	101880
agcacgtgat	aggggaagcca	catttatgca	gagcagggaa	cgaggtaagg	aaatggaagt	101940
ggggctgttg	tgaagtgggc	aagtctagag	agagtcccgc	tgcctggggc	tgctcctaac	102000
agctgctggg	agcgagctgc	aggtgtggtg	cctggcaggg	tggccgggct	gtctgactct	102060
ggatttcact	ccaagctagg	ctgctgcctg	aaggattcct	cttaccacc	tttgcttggg	102120
ctggcctttg	ggacttacat	ggctatgagg	cgtgccacgg	tggctctgaa	ccggtcaaa	102180
atgtagccag	tggggaatgt	catgaagtgt	ttcatgaagg	acccaggggt	gaagctgagt	102240
gagaacctct	catcctgggc	tttgagctct	ggagtagaaa	aaaggtctcc	catgcatccc	102300
agccttctctg	ccaaatgagc	acacaggctg	ggctcccctc	cacctcagac	agcttgtcgg	102360
tcgcaaactt	gtcccttaag	ctgagttgaa	atgtggctgc	ccctaattac	ccctcaggag	102420
ctgggtgcctc	cctcccaggc	acttcccaga	tcaagtgggg	tgagagctgc	tgacccttcc	102480
tctcatcata	gaaagagggg	tgggcagggg	gcagagtcct	tcctgctcct	tgccaccacg	102540
tgggagccag	acttaacttc	cttagaaaa	tcacccctgc	ccttaccagc	ctgcccctgtg	102600
gcattgccaa	tcggcccagc	atctggtcca	cacagatcct	taaaagtaatc	ttcattcttg	102660
aagacaaaca	ctagtgaagg	ccagccaaag	aggacgccag	caaagcccag	gcattccagc	102720
agcccagtc	gcagtgtggc	cacgtgcagg	ggcaggccct	ggcccgccat	gagcacaagt	102780
ggagtggatc	ttcaaattccc	actttgtcct	cctggacgga	tcacaggcgc	cgtaagcctg	102840
gcgtttgagc	acttgaaaa	ttcctctggc	aagccaagcc	cttcctttcc	cgtagctctc	102900
tggttgtttc	aggcctgggc	aaaaaccatc	agcgggtgat	tctctggatc	ctgtagaata	102960
aagatagagg	ctgctggaag	aggaggcctg	cgggaaaggg	aaaggtagac	tagagttatt	103020
tgtgaggtgc	attaagaggc	aggatgatca	tggccgctgg	cagcaaattgt	ggggaataaa	103080
tactccaata	catcatctta	ggcactgcat	ttgagtaacc	acgtggcaag	tagagaggca	103140
ggtcttgatg	gccacctgga	gtcacagggtg	agataaacga	cttacccaat	agctcccccg	103200
gagcaggtgg	agaagcggag	ctcctgcgct	cgaattctga	ataccgtccc	ctaaaataat	103260
gacagcaact	gaaccagggtg	cagaggcagg	gagatttcat	acagaagaca	caaactccc	103320
ctgccaagtt	ggtgttatct	tcagtttact	gacaatgaaa	caaaagctcc	catggatttc	103380
aggaacttgc	ccaaggtcac	agggtctagt	tagtcacgac	gcaggccatt	ctactgccag	103440
aaataccccc	aactcccatg	accctcgcct	aggactcgca	aacctgggtcc	ccgcgcctc	103500
tcctcgcac	aacttctacc	aggaaagcct	ccgggggccc	ctcccgcca	gcctccgcac	103560
cccgctccag	cctgcggcct	gccctccccg	cagaggagcc	cgaggggcca	ggccgcgctc	103620
ggcgcccat	ggcgcccga	aggggaccct	tcgcccctacc	cgctgctcc	gcgcggggg	103680
tctccgcgc	ctttccgcac	gggcccagggt	cgcattcgcg	cctctcgcag	cccctcccag	103740
tcccctgctc	gcctccgccc	cctcctgccc	gccgggaagg	ggctggggca	gacctcccac	103800
tctccatcac	ttccttcttc	ttttcccttg	ctcacagcct	cccgcgccct	ttttacctct	103860
ccctcttgaa	acttctccct	ctagaacccc	ctagaacccc	agcgggtgtct	ttccctccct	103920
cctcgctgcc	tttcagcctc	ccagccccct	tgctctgccc	ttccctaacc	aagttagtgtg	103980
aatgctgtta	ctcgctcagg	cccacctagg	gaaaatgtca	caccacgcac	ccagaggaca	104040
cacagacagc	acatgagggc	atagggacac	acacactcta	tttgtgcatt	ttgccttgac	104100
cgctgggttg	gcagggaaca	tatttttctc	atttgcctac	cagcttaacc	gtctctccca	104160
gtttcacact	cccagagctg	ccaaaaaaat	cccaaccaca	gaatcaggaa	gccaagaacc	104220
aggactgagg	gcttttcaga	aaccatcccc	tggaggactg	ccccatattt	tcactcccaa	104280
aaacccttta	gatgaactcc	tgcctcacc	ccgcccccca	ggttctgaaa	gagccttccc	104340
gccagactgc	attgattaac	cattcattgc	cccatttttt	attaatcaaa	gacatatata	104400
attgctcatc	ggagcttgtg	atcagcgtga	ggccttacta	agcagctgcc	ttactatcct	104460
tccagcccag	agcacgtgag	ctgacgtctt	ccttggcctg	tgtggccggt	tccttgccaa	104520
aagctcagtt	tggggagagc	ttcttgcgta	ttagatgcag	tctgcagact	cccaacccca	104580
gctacctgga	ttccctgagg	gcccaggaac	tccagctatt	ccaagcccac	tcctcttttt	104640
tttaagagga	agaaatagag	gttacgatag	gggacagcca	gaactgagga	ttttccagct	104700
caccacaaa	gcacaaaaga	taaaagtctg	caaccaccct	agtgacttga	ctgaatggag	104760
gaagggtggc	tggggctctg	taccccaagc	tactcactag	ttatacaacc	tgaggcaagc	104820
tctttggctg	ccccacctgt	aagacgagga	caatagtacc	ttaattatag	gaattgtcat	104880
aaaagaagta	taagatgggt	gtatgaggtc	cctgcatggc	gcaggtgcta	taggcagatt	104940
gtaggtagt	agattttcta	gtctgcagtt	atgtagacag	agccagagaa	gcagctctgg	105000
ggaggaaatt	caaaggaaat	tgcccacggg	cattctacaa	agctgcagta	ccttcccaac	105060
tctgaaacgt	atgctctcat	caccccgctc	taacaaacat	ttggacatta	gagaaaacaa	105120
gtcttttctt	aaaataacat	tatttatggg	agaaaatcca	caaaaatata	gcatcccagg	105180
acaaacaggg	cttaagatgc	aagattttct	attttactgc	aagacacaaa	gactctgaaa	105240

ttaatgcatg	ccctatcttc	tgtctctggca	tacatttttag	tctcctgggg	ggatcagtaa	105300
gtgtggaagt	agcaagggag	aaacagaaaa	aagtcaaagt	aaagagacag	atttttagaat	105360
gttaatctgc	aggagcctgc	cagaaagatc	tagctcatgg	gctatctgta	catccaggac	105420
tgaagcacgg	gacacggggc	aggctcgtcca	gggttctgtc	caccttatct	tgttacctct	105480
cttgactctt	agagcctcca	ctccacatct	cccatcaatg	tctgcagaag	acgtggcctc	105540
cactaacaca	agtcttactg	aactgatggg	acaggaaatt	agaatatcct	ctgaaccatt	105600
cccatgttct	ttgggttcgaa	ttccagcagc	tagaaaaggc	agatgctatt	ctgatcactc	105660
tcctgcgtgg	ctccaatgag	gattaatgag	taacatcaga	gagagaagtg	attataataa	105720
ggtctgacgg	tgcacccgat	gtcttcatcc	ttttctcttc	gcctccttcc	tcatcatctc	105780
acaccttttt	ttttttaatt	gactgattgg	ttcaacaaat	acatgtggta	cctcaggctc	105840
tgtgccaaagt	gccgggattc	gtagagaaga	gattcagtgc	ctgctctcaa	ggggctcatt	105900
ctcttgtggg	agagacagac	aaagaaacc	aagatttctg	gagtgtggga	atggtccttc	105960
aggcagatgc	tagcacagca	cattgaaagg	cacggaacct	caacaaaaca	ataacattta	106020
ggaaccagct	agagcacagg	gtggtgaaga	aagtggaaag	atttgaggcc	agcgtcgcca	106080
tctaagttag	ggcattaaga	attcagccca	catcaatcaa	tcattgtccta	ttgatttcac	106140
cccttaatat	ctctcctatc	tatccgtggc	cactgctcta	tgcagacact	catcatctct	106200
cacagaggca	tcattctgctt	ccaagccatc	gccattctcc	tgcaagagtt	tatttccatg	106260
gttcccactg	gatggcttca	cttaactgct	caaaaccctt	ctgaggtcca	gtcaactggc	106320
tggttaaggac	cagtccaggg	tctggggatg	ccagccatga	gacattgctt	tgaggggaag	106380
agggagcata	gaactggatc	tcctgcatcc	tactgcccaa	gtaccaatgc	tggagggtgg	106440
tttccttccc	atcatcagca	agtctggata	tcaggatcc	accctatgga	tgtttttatg	106500
gacagagtgg	gaagatggat	atgttttagt	tagggaaaga	gggtttgcca	aagagggcag	106560
tataagttag	tcactctcca	tcattcccct	ggcacaacaa	atggctagta	tcctctagtc	106620
ctcaagagca	ccaccttcca	atgcagtcct	tgctgtcca	cagacctctc	tcctcaaact	106680
tcctctgaac	aacctcagcg	agggcaattg	ccactctctg	ggcagagtcc	agatattctc	106740
tcctaccctc	tgacatcact	ttctaaattt	gtatatgtag	ataaactctg	agccattcac	106800
ataaagggct	ttgatttcgg	atacgccaaa	cacataaaca	aacaaacata	agctttcctt	106860
tcacaatggg	ctcatgtaaa	ttaaaatggt	tggttttcca	cctacgggtc	tgaaaggggt	106920
ttctacagcc	tgttttggaa	gtcagaaaag	aaaaggtaaa	tgcaaacatc	atttcacctg	106980
cagagaaaaat	tctaatectc	ttgaggcagt	gccaaaaata	atacaagcac	actgctatcg	107040
agccaattac	tggtatctct	gagcttccgt	ctcctcatct	ataaaattgg	aactcgagctg	107100
tatggattaa	agataatgta	tgaaaactgc	ccaattagta	cactattaat	aaatagcagc	107160
tactgttggt	aacaaatatt	attgacttac	tggaaaacaa	agaggaaata	aagtcacatt	107220
tagggagaat	ttcaaagtgt	tcctaacccta	aaaaagaaat	aaattagggg	gaaaaccact	107280
aagtaatggg	tgagctcagt	ttaccttgct	taagaagtcc	caccttagag	aactgatctc	107340
tagatgacac	ccaaatgcac	tcagtacaac	cccccaagac	tgtctgggct	taaggcaggg	107400
gcttggaattg	tcctgtaagc	tgtgggaagt	ctgttcatga	gccacagtag	acaggaaggg	107460
gatggagtct	tagagctggc	tcttcagggt	atctcctagt	gtgttcaaa	cagttctcag	107520
gaggggtggg	aactactaca	tagccaagta	aatatgaggc	ctccttgctc	tggggagacc	107580
tttctcttta	acagaggtga	atctgaaaag	atacccaaag	aggcactgga	gggtgggggc	107640
cactctggcc	cctcagagca	gccagctcag	cttcagtggg	tgctagaggc	agcagaggat	107700
cagcctggat	cagcctccct	ttccacatgc	agaaaacaga	gctccccac	cagaccagat	107760
actggaagca	ctggggccagg	cctaagagaa	agcagagccc	caagccccac	cacaccaggg	107820
cttatgaggc	tactgctacc	caccctccca	agccccagct	ccacttctat	gttcatcaag	107880
caactgttta	ctggtaactg	cacttcccga	tagactttgc	tagaaaaggaa	tgcctcagtg	107940
cactgacaat	atctaaacct	gcaactctaa	ggactaggct	ggggaacact	gtgtcaacat	108000
ggaggcacgt	cctacccctg	agaagaaaaa	taaggaatat	caataatacc	tgctgggcac	108060
tgagcactga	ctatgtatct	gattcgaagc	gctttttgct	taatctgtca	ctgaatctca	108120
cgatagggtg	tgttatttagc	atctattatc	tgggccaaact	gaggcctaga	gggacgaagc	108180
aactccccca	acatcaccag	gtagcagtgt	caggactggg	atagaaacct	gatgctctga	108240
ctgaaactaa	tgcttttttt	tttttttttt	tttttttttt	tgagacagca	tctcactctg	108300
tcaccaaggc	tggagtgaag	tgggtgtgatc	tcagttcact	gcagcctcca	cttcccagggt	108360
tcaagtgaat	ctcctgcctc	agcctcccga	gtagctggga	ttacaggcgt	gcaccaccat	108420
gccagctaa	tttttttgca	ttttttgtag	agatgggggt	tcgccatgtt	ggccagactg	108480
gtctcaaaact	cctgggctca	agtgttctgc	ctgccttggc	cccacaaaagt	gctaggatta	108540
caggcgtgag	ccaccatgcc	cagccagctg	atgctcttaa	tctgtgccct	accagcctt	108600
cctgggaggc	ttcccaagag	ctacacagag	catgagttct	ggaatcgggt	tgatgggggt	108660
accagttatt	actaatagga	atgaagatgg	tgaattcttt	cagacagcac	ccttgattaa	108720
aacaagagag	tagtgctgcc	tctctgtgat	tctgtgtctc	cctgccctgc	tcacacagac	108780
accacacca	cccacacgca	tgatcatgaa	aagaggaaat	ggatccagga	gaaggagacg	108840
actcctgagt	gaaaacaacg	gggttttttca	cattgagagc	tttgcccaac	accccaaaga	108900
tgaaaagagc	aggaaactgc	tggggccgat	tgaacactgg	acttttggtg	tggaaaaagg	108960

caaaggggaag	ccggaagaga	ctggaacagt	ttccatgggtg	ctggaggatg	gggaagtggg	109020
tagggattag	ctggagggag	aaggagaagc	tgggggtggga	ggggaacctc	cacttgccag	109080
gagagcacat	gtaggatggg	aaccccgat	gatactcaag	gcatggcatt	agaccagaag	109140
caagtctgtg	gtgaaattag	ggaaggctcc	actgcggact	gtagacagag	cactggacaa	109200
ggaagtggga	gacccagggg	ccagtcctgg	ctctggagcc	ccctgggtgg	gctgccccgg	109260
gcacctttct	ctcttggggc	ctccattcct	acctctgtga	agcgagtgtc	gaacctctct	109320
tagccctgac	ttgctgaaat	gctgggactc	tgtacagagg	ctgacattaa	gcagggatct	109380
gtcgtggggg	gctgcaatgt	tcctccagat	gctgcacggg	agagggcaga	aaaggcctat	109440
atggtgagtc	cgccctggga	gcctctgtct	ggaagctgaa	gtggcctgag	agtgactcag	109500
aaaccacgga	agttcccggg	gctgatgggt	tcttatagat	tgtacatgca	gctctcctcg	109560
tgggctgcaa	aaccgcaaga	tgggctgtga	ccactctcaa	ggaaagagcc	ctatctgcaa	109620
aaagcattct	gccctccagg	tcttaaagca	aacacagact	caatccttat	tcctttttaag	109680
acaaaattgc	ctcaggggca	tcagggaggc	agcaggcctc	aaatgtgtgc	ctttctagaa	109740
ttctcaatga	aagcaccctt	ttgggtatta	ataatgacaa	cagtaatgac	agtcatttac	109800
tgagtgtctg	ttttgggaca	ggcattgggc	taagagctat	atgtaatata	tattattatt	109860
tgatgccac	agccacccca	taaggaggcg	gaggtactat	cattatgcca	actttaaaaga	109920
tgaagaaact	gaggcctcaa	gagatgaagt	aacttggcca	agtcactcag	ccagtaaattg	109980
ggaagagata	gacttcccag	tatccagagc	ccatgttttc	accattatgc	tgaagtacct	110040
cttttcctgt	gccaatgtga	tctgcctcca	ggaatcctgt	cttgatgttc	ccttccccat	110100
acagaagtcc	tctctgtgtc	ctcttcagcc	tgatagtata	tcttttcata	ccattctttg	110160
gacatctctg	ttatactact	ccaatggtgt	tccttccctt	accctccctt	gggagcttag	110220
ttgttgtgat	taagtataag	ggaaatgacc	cacactaaac	aaactcataa	gagactgatt	110280
gataaacctg	aaatgcaatt	tattaattaa	cactgagaaa	tgaaccacc	cagcagatgg	110340
gaatcctaag	gctgactggg	cagcacaatc	tctttcagga	aggacaggct	tttgggaaag	110400
gaaatcaata	ccagaagggt	ctttgttgag	tacaaagtca	gaggggaagg	agttgatgga	110460
ttgacacata	ggtgaagctt	gacatacctc	tataaagcct	ccatcctgcc	aaggatcaga	110520
atatccaagg	cagggagcca	tctgggtgtc	ctctcctttg	gacagtgtctg	gatttttctg	110580
gacccatga	agatcttacc	tttctggctg	catttatcat	gattgtggaa	ggctttttgt	110640
ttccttgtht	gcttagatta	atthctgctg	atttaataga	actgaaaggc	aatttcccat	110700
tgagaccac	tgaagaggaa	taatcaatac	atactagtgt	tgttgccctt	tgcagagaat	110760
tcacttctgt	gttgctcactg	tatcctcatg	cttcttata	atggaggggac	agagatggta	110820
aaaacatgga	cttggaaagg	agaccgtctg	ggtttgaatc	ctggctctgt	tacttataag	110880
ctctgcaacc	tcgggcagat	tacctaagtc	agtttccctt	tctctgaatt	ggggatataa	110940
tagcaccac	ctcaacatct	gtcaagagga	ttcaatgagg	gaatacacat	aaagtgtctca	111000
gaacagtgtc	tgccatctgg	taagcagtcn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	111060
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	111120
nnnnnnnnnn	taattttttgt	atthtttggtg	gagacagggt	tttgccatgt	tggccaagct	111180
ggtctcaaac	tcctcgacctc	aggtgatcca	ccgcctcgg	cctcccaaag	tgctgggatt	111240
acaggcatga	gccaccacgc	caggccccac	acacctttta	aacaaccaga	tttcatctat	111300
cgggaagtgc	ctgtggggct	ggtgtggaca	tgtgggtgaa	ggtagagttg	ggagaagtta	111360
ggattctcca	tgacctctgt	tactcatatt	ccacactcc	tcaaattagc	ctgagtctcg	111420
aggacagtct	gatggctggg	caaaccctgc	ggcaaaccat	tcctccagccc	tgccctctca	111480
accagagtcc	ttccgataca	tgattctggg	cagctgttgt	taccctgtgc	ctccatgttc	111540
ttccagagat	atccatgcat	gcatcggcat	atgtgtataa	ttattatata	tattatttat	111600
cccacaagct	tttgacatca	atagtagcat	attattaaat	tgttctgtac	attattttat	111660
taacttggtg	tctctggtac	tgctcaatat	aagaacatat	agacctggcc	aggcacagtg	111720
gctcacatct	gtaatcccag	catthttggga	ggctgagatg	ggtggatcac	ttgaggtcag	111780
gagttcgaaa	ccagcctggc	catcatgggt	aaacccccat	ttctactaaa	aatacaaaaa	111840
ttagccaggt	gtggtggcag	gcgcctgtaa	tcccagctac	ttgggaggct	gaggcaggag	111900
aattgcttga	acctgggagg	cagatgttgc	agtaagccga	gatcacgccg	ctgcactcca	111960
gggtaggcaa	caaagcgaga	ctctgtctca	ataaaaaaaa	aaaaggaatg	tatagacctt	112020
ctttattctt	tttgatggct	gtaggtggat	gttctaaaat	ttgtgtaacc	aatctcctat	112080
tgataatatt	taagttatgt	cttcagcatc	atatgaaact	tacaaacaag	gttgcatgga	112140
ctatccatct	gtaaatgtct	ttttgaacat	ttctagaata	attgcaggat	aaactcctaa	112200
aatgagaatt	tctgggtcaa	agaggatatg	cattttacat	ttaatagata	tttgtcaaat	112260
tgtcttccaa	agtgggtcgta	ccaattaaca	ccccgacctg	taatgaatga	gagtgccttt	112320
tttccccaca	ccctggagag	atgaaaaaatt	tatggggcca	ctttggagtg	catgggtggag	112380
gaagctgttg	gcggttatat	aaccctcgtc	aatataagc	ctgggggtgg	ggggggagaa	112440
agagagggtta	gtaggtgggt	gcaaacatac	attatagatg	aagtaataag	ttctaattgtt	112500
cgatagcaga	ggaggggtgac	tatagttaac	aacaatgtat	tgtatatattc	aaaatagcta	112560
gaatggagga	cttaaaaatat	tccaacacat	agaaataata	aatgcttgtc	tgcggccatg	112620
ccaccctgaa	tgtgccagat	cttgthttgtt	cttggaagct	aagcagggtt	gaacctggtt	112680

agtattttgga	tggggagaaat	gataaatgct	tgagggtgata	gatatcctaa	ataccctgtc	112740
gaacattata	cattctatat	atgtaacaaa	atatcacacg	tatcccataa	atatgtacaa	112800
atataatgta	tcagtaaaga	gagggctggg	cacggtggct	cacatctgta	atcccagcaa	112860
tttggcaggc	caggggtggg	ggatagcttg	aggccaggag	ttcaagatca	gcctgggcaa	112920
catagcgaga	ctctgtctcc	acaaaaaata	aaaataaaaa	cgaattagcc	aggcgtgggtg	112980
atgcatgctt	atagtccag	ctacttggga	ggctgatgca	ggaggattgc	ttgagcccag	113040
gagtttgagg	ctgcagtga	cctacgactg	caccactgca	ctctccagcc	taggcaacag	113100
aggaagacca	tgtttctaaa	agaaataaat	taaaataaat	aaataaaaaat	aaaaagactg	113160
aaaagcagag	tggtaaagaga	aaggactttg	gggctcaaca	gtactagcct	tgaaccctgg	113220
ctgttactta	cccacgtgt	gataagcaaa	tgcttaacc	cctgtgtgcc	tcactttctt	113280
aacatataaa	atagaagtaa	aatcatatcc	cacttcaagg	gtcattataa	aaagccaata	113340
gagataatgt	atataaagct	tctggaataa	tgcttggcac	acagtaggag	tttaataact	113400
ggaaattcat	tggtgtagt	ggcagccttc	tgaatctgtg	tcctctttgt	ccactaatgg	113460
ctttgatctg	gatttggctc	aggcaagacc	tggggaaggg	cagagactga	gggcaactgg	113520
aggtataggg	tggtctgagc	ttccccagca	gagtgaggct	gggaaaggct	tgggagacag	113580
accaggcagg	tgctgataag	accggaatgg	gaggctggag	cataaggcag	ttcagttttt	113640
cccaaagggg	ggtgtacaaa	acgatctcgt	atgactcctt	tatactgtta	atgttttcat	113700
tttatcgcg	actgaaaaac	aaaaccaaca	tatttaatat	atgattccaa	ggggattctt	113760
gcttttacia	aaaatgctaa	agtaggcatt	cacatgttta	aaaattgagt	tgatttaaat	113820
tttaaaatta	ctaagtcata	gtacataatg	tgtgagccac	agctatcccc	aaaactcatga	113880
tagcgataca	ttaagtactg	aagttcttta	aacatcaaca	tacaatgcca	attccagaat	113940
tcagctcaaa	ttctgcaatt	acacaggctg	gggttgaaac	ccagcttttt	tgctaactgt	114000
gtaaaattag	gcaggagggc	taacctcgct	gaatctcaga	tgtctagtct	gtaaaattgaa	114060
gataatgttt	gtttttatct	cacagagttg	ttgtgaagat	tcaataaaat	cacaacatgt	114120
gaggatgatc	tggtgtgac	acctgtcacc	ccactgatct	ccagagttga	ttcggtgat	114180
caggctggct	gggcagggtg	ccccctttct	cctcaccact	ccgcatgcat	tcctcccgaa	114240
actgcacact	tggtcaaaga	ggaagacctt	tcctgataga	ggaggaccat	tcttcagtca	114300
agggatatat	agcacctggt	ctgtcctgcc	agaatctccg	aaggagctct	cagtaaaatc	114360
acaagatttt	attgtgcatg	gtagcatgag	cctgtaatcc	cagctactca	ggaggccgag	114420
ctaggaggac	tgcttgagcc	caggagtttg	agaccagcct	gcgcaacata	gtgagaccct	114480
gtctcaaaaa	aaagaaagaa	agaaagaaaa	gaataataat	agtaataaat	ccactgtgca	114540
acgtgctcac	ttctctcttt	ggaatgtagt	aagtgtacct	aataaatgtg	atcattgtaa	114600
tcacacagct	gagcacaggc	taaagcatct	tgactttatt	ctataagcaa	taaaagagga	114660
tttgttttta	cagaactcat	tatgtttgtg	aaataatttt	ccaacattaa	caaagaacat	114720
tcttcaagta	aaaggaaaac	cacccatcat	tctcccaacc	ttcaataatt	ttcaattttg	114780
catattctcc	agactttgtc	aacatgaata	cttactttac	atggctcgcaa	tcagtgttca	114840
tgcaaaattct	tttatcctga	cttttataaa	caaatatgat	gttataaacc	ggtctccatg	114900
tttctgcata	ttctttataa	ttatcatatt	gtggctgcat	aatattgcat	tgactatggt	114960
aactgcagtt	ttcttaacca	tttctactgt	tggggaaatg	gaggataatg	ccagggtcat	115020
gcctggagct	ttttttgtc	tattgcatta	tattcttaag	atcaaatccc	agcagtgaga	115080
ttagtcagtc	aaaaagtaat	aatattttca	aggctcttgt	tatattttac	tagattgttt	115140
tccagagttt	tgacactgct	tcccagagat	gtaggaacac	agacgtcatc	caaccttgcc	115200
agtgtctggg	gatggtgttt	ataaaactct	gctaatttaa	taagtatgaa	atgctatcct	115260
cacacggctt	tcatttctat	ctctttgatc	attaacaggt	tgaactattt	tccaagtatt	115320
tgtttactct	ctgcataccc	tcttgggtga	agtagtcatc	cacttccttc	acctgtttat	115380
ctggtgaagt	cttgaggctt	gttttataaa	tgtgagcgag	cacttcagag	tcaatagaca	115440
ttaattgctt	ccagccagat	ttggccactg	aggctcctga	gcagggggaat	gcatgatcaa	115500
aactacaccc	tggacagatt	aaattaattg	gagaaaaatg	gctgagaggc	agagatatgt	115560
gtcactggcc	tactgtgttt	gacccatag	tgggggctg	aactggggca	acggcctgag	115620
tccccacta	ccagtagcag	gaggctccat	gtgtcccca	tattagagct	tgccggcactt	115680
ccatttgccc	cacctcctac	aataccccac	atacatgtac	tcactctccc	ttgcaaatct	115740
agtggcttca	accacagaa	tttaagggga	aagggaattgt	tctgtcctgt	tcacttactg	115800
cagaaatgag	aaaagcgttg	ttcacatggg	atcaccta	gaagggatgc	catccccaac	115860
ggtgcctata	aggaaatggg	ggaggggttg	agagtgtgtc	aaaatgcaac	aggggaatcat	115920
cagagtctct	tgccccatga	tagaggggtt	tcaaatgaag	agagtctaca	gcaactaatc	115980
tcacggccac	tctaggcagg	gcttcccaat	gcttccca	ccccacctcc	atcctagact	116040
ttacccactc	tgctgaacac	agatgttacc	catagcacct	tgacccatga	ttggttgatt	116100
agcacctccc	acagttagct	gtgtttctga	taggtcagca	acatttgctg	agcacctact	116160
ctgcagggtg	tgccagggtg	cacaaaataa	acaaagccaa	agacaacatg	gaccctgaac	116220
tcagcaagtt	cagagtcaag	tgggataggg	aggctctctt	cactggaagg	taactccaag	116280
aaacaatggg	actcaacttt	ctaaccaaga	gaactccagg	gagctaaaa	tctgacttct	116340
ggttaagact	ggtgtggagc	ttcattaaag	aagaaaagat	tcaccagac	ttgagttcat	116400



agcctggcctt	tgcagctttt	aagtcagtga	acctttgatg	aagtatatgtg	acctctccac	116460
ccagctgccc	ctaacacctt	gcaggggag	ggctggagtg	caaagggagg	cactgggtacc	116520
acagcctggg	aggcaccacc	ccactagtgc	aagccgggca	acctctgccc	ccaaggcatc	116580
cctagcctcc	caactgcaag	catcaatctt	gcacttggaa	aggaacctca	cctttgaaat	116640
ctagggttcaa	atrtagaatg	atccagctcc	ttgaagttct	atacagaaat	acagccagca	116700
gccaggcccg	gtggctcacg	cctgtaatcc	cagcactttg	ggaggctgag	gtgggtggat	116760
cacttgagga	cagaagtctg	agaccagcct	gaccaacatg	gtgaaacccc	gtttctacta	116820
aaaatacaaaa	attagccagg	catgggtggta	cacgcctgta	atcccagcta	cttggggaggc	116880
tgaggcagga	gaattgcttg	aacccaggag	gcagagggtg	aagtgagcca	agatcgtgcc	116940
attgcactcc	agcctgggca	acaagagcga	aactccatct	caaaaaaaaa	caaaacacac	117000
gcagcttccc	tccacttccc	aaccacagct	ccatctcaga	caacaagggg	cctcatgtcc	117060
atgcacatga	aaatccaacc	aacatgtcta	aggcccaacc	acaccctctc	caaacatctg	117120
ccccttggcc	accctttggc	catgggttca	tgcactggca	gaaaggtagt	tcagagaaga	117180
agcccacaaa	gggcccggaa	gtccacttgg	gctttttgag	attccagggt	ccaggataac	117240
ctaagtgtgg	tctagaagag	agatgcagct	tctggggaggc	acattccttg	gtcttaggga	117300
cttcttggcc	ccatggaggg	aaactggcta	gatgaggggcc	aaagcagagc	cctctaaagc	117360
acagggtctca	gggaaggact	ctttttgacc	agatctaaga	gcagcactac	ctctctgagc	117420
ctgtttctcc	atctgtaaga	aggggacatt	aatagactct	ccccgctaga	gttactctac	117480
atcagccagc	acacgtaagt	tcatgacatg	aagcaagggc	ttaatatata	cccgttgtac	117540
tataaataat	aggcccaggcg	tgggtggctca	cacttgaac	cccagcactt	tgggaggccg	117600
aggaggtagg	atcacaaggt	caggagtttg	agatgcacct	ggtgaaacct	catctctacc	117660
aaaaatataa	aaattggccg	ggtgtggttg	cgtgcacctg	tagtcccagc	tacttggggag	117720
gctgaggcag	gagaattgct	tgaacccggg	aggcagagtt	tgcagtgagc	caagatctca	117780
ccattgcatt	ccagcctggg	tgacagagca	agactgcac	tcaaaataaa	taaatacaca	117840
catacatata	tacatacata	catacatata	tacatacata	catacaatac	atggacaggg	117900
accctaaaaa	tgagacaggg	aaagagaaaa	acatgttctg	acaaccttgc	cctttatact	117960
aatttagggt	ttcttgccctg	ttttagaaaag	ggcctggaca	ggagccctgt	tcccctcagg	118020
ccaggcagaa	caagggtgtg	aactcactgt	ggaagggttc	tgggtgacaa	gtgcagcccc	118080
gtccctccac	ctcccagcac	agtaggcagc	acgtgtctcc	attgactggc	tcaggagcag	118140
gctcgtgac	cagtggggaga	gctgaggagc	ccagggtggg	gtctgaagga	atccctagaa	118200
aatctgattt	tccccaggg	cccacatcac	gtgccagag	ctgggaaagt	ggaggcagca	118260
tgggatctag	ctgagaggct	ccatttttgg	tagcttctag	tttgggagtc	acagagacac	118320
ctggatgata	cgaagatgta	gcttttgcagg	actctctaga	acatggagtc	caagatatte	118380
cettcaatga	tgggacactg	aagcccacag	aggagaggte	tgtcccagtt	actcagccat	118440
tcggaggcag	agaccaggct	agaactcagg	acttttaatt	tggaccagga	ttccttttac	118500
cacagtgggc	agccctagca	agtgccagg	agggtggaac	tgtgaaggte	atccgagggg	118560
tagtacacgt	gggtaggaag	tcatatctaa	gaactgaccc	ccagacctgg	ctctgccact	118620
cactccttat	gagaccacag	gtgctgggtg	cagtgggttc	cacctgcaat	cccagcactt	118680
tgggaggcca	aggcaggcag	attgcttgat	tccaggagtt	cgagaccagc	ctgggaaaca	118740
tagtgagacc	cccacctcta	ccaaaattag	ccaggcgtgg	tgggtgtctgc	ctgtagtccc	118800
agctacttgg	gaggctgagg	tgggaggact	gcttgagcct	gggaggcgga	ggttgccggtg	118860
agccaggatc	atgccactgc	acaccagcct	ggatgacaga	gtgagacaga	atgacacact	118920
gtctcaaaat	aaataaataa	atgacagcag	atcatcattt	ttctttctgc	ctctagactg	118980
caatgcctat	ttctccagg	agtcactagg	ataaaagtaa	aaataaatatt	atcagcattt	119040
accaaataca	gggtcagcta	ctctgttatg	ttctttcatg	ctttgtttct	tttaagcctc	119100
aaacaactct	atgagctggg	aacaagtatc	gtccttcttc	ctcccatctt	atttatttat	119160
ttatctatgt	atrtatctat	ctattcattt	atrtatrtat	tttgagacaa	ggtccttcta	119220
agtcaccagg	gatggcctca	aacttgagct	aggaactagt	gtcaccaccc	cccaatttct	119280
tttattgatt	gatttgattga	ttgattgact	ggttaatttt	gaggcagggg	tctcgctaag	119340
tcgacagggc	tggctctgaa	ctcctagtct	taagcaatcc	ggccgcctca	gcctcccaaa	119400
ttgctgggat	taccaacacg	agccaccatg	cccagccctt	cccatcttct	gaataggaaa	119460
actgggggtt	gaaaaggtaa	gcgacttgcc	caagggtccc	tccctagcta	gagagcttca	119520
gagccagggc	acaaacccat	caaagcctgt	gctctcgccc	attgagccac	cggacctcgt	119580
acactaaccg	ccaagtgttc	tacacagtga	agggtgacaaa	gagggtgaagg	gaagagccag	119640
ggaggttctg	tggactcact	cgggtgggtat	gccagagggg	aagggggatc	ttgggtggca	119700
cattgagagt	agctgcgctg	ttagtaagtg	agaactcggg	agtccagact	catccagctc	119760
gtgccaataa	acccctcctt	ctacctggct	tcctttccaa	agccagctgt	tctccagaca	119820
atgggggtgg	cggggggcgg	tgtcctcctc	ctcttcaggg	aaaatccgac	gctgagccca	119880
tctccagaga	tcttggcttc	cctgggggtc	gcagatccac	ctagagccac	cagagggcgg	119940
gccagcactg	cggccaaggc	ttgaagaccc	agcacaccaa	agcccggcca	agcctccagc	120000
ccagtgtcca	agagtccagc	cagaggccga	gtcctcgatc	tcaaaatgtc	taactgcaga	120060
agcccaactc	atgttcaggc	atgatgtgtc	tgattctact	gggacaatca	ttgccaccaa	120120

agaattactg	ccaaaatagt	aacgacatta	gctacctacc	acccctccac	acaccaacac	120180
acctcattht	accaagcact	ttctcatgcc	tggggtgcct	ggagacttaa	tgcagcctcg	120240
cgatgaccgg	gtagcctcac	cgtacagatg	aggaaactga	ggcacaagga	aggggagtag	120300
attgtctagg	gtcacctgga	gaactctgat	ctccagactc	aaatttccaa	ttcgtccccc	120360
ctccccccaa	ccctaaccgg	agctaggtgg	ggtggggaca	gcaaagtgtg	atggggggag	120420
gtaagagggg	tcagagtgtc	ctacagagaa	gaccaaatgc	attgtggcac	ctactgtaaa	120480
atgagaccag	ccagccaccc	acccaccagc	cagccaccta	aaagtcttca	gtgggcacct	120540
gctggaaaca	cgacaatgga	tgacacgagt	tccctgccct	caaaaagctg	gtagtctagt	120600
tgggggtgga	gggggtgagt	cagcagataa	ttatgggaaa	ccgtgacacc	tgtataaggg	120660
gcggggatga	gcagaggggc	tgcgactgcc	tggagccagg	gattcccggg	cggggcttcc	120720
ctttcctcgc	agctcgtccc	aggaggagga	gtccccccc	agcttcgggg	ttccgcctgc	120780
cttgggggcc	cgggggtcccc	tcccacccct	ccccgaagag	cgcggggccc	gggaaccgat	120840
gacagcacac	ctgagtcagc	ccgccgcccc	ccgcctctc	agcgtctgtc	ttccgatctt	120900
gtgatatttc	gtctcccggg	agccagcccc	actgcgtctc	ggaggcagct	cggcaaacaa	120960
accagcgcac	agattgtgcc	gcggctcatt	ccggggaagg	acgccaaacc	ccaccctgct	121020
accccccaaca	ctccctcccc	gccgccgcct	ccaggccctc	ccccaggcg	caggccctag	121080
tcgggggtggg	tcctggggaa	acgcaggggtc	ctgtcctgcc	tcctggaaat	agggggagcc	121140
ctgggtgagg	gaagacggga	gccccagaga	cttttctttc	tgtttctacc	tgatccgaaa	121200
acgagagggg	cgggaaagga	aatttagggg	cacagagagg	agctgggggg	ccgagaaggt	121260
ccgaaaatgg	aaccagcagg	gggcacccga	gagccgaggt	gcccacgggc	cgggagcctg	121320
ggaatgaaac	tggggaagag	ggggagagaa	agggaggcag	agacaccgag	acacacagag	121380
acgagagaca	gagacgcagg	gagccccgcg	gggaggagga	gagagacgaa	gacagacaga	121440
gacagtgaga	aagacagaag	accgggcagg	gaaacagacg	agtagagaca	gaaaaggtcc	121500
gagagagagt	gagggagggg	gggaacagag	agacagagac	cacgaaatat	gagtaagagt	121560
cgggggagaa	aaccagagaa	atcgaatgag	aacgcgagaa	gaacgagaga	ccgtggaggg	121620
agcagagaat	gaatgggaag	aataagacca	acatttatca	agagccgact	gtatgccagg	121680
cactgcattg	gaccctggca	cggataggaa	aggaggagcc	gcggcgcggg	cagcggggcg	121740
aggggcttct	gtgctcgcgg	gagcggcagc	ccagggggct	cagcagcccc	ggcaccgccg	121800
cacctgcggc	tccagcagcc	ccaacccccg	cagcgtgcc	tggccaccgt	acccgaagcg	121860
gctcccccg	gggccccgag	cctatcctac	gccggggcgg	ctccgcggac	gcgcggggcc	121920
gagtcgaagc	ctgggtcaac	cgccctgcag	cctttgtagg	gaagtgccta	gggtatgggt	121980
ctgctgatac	cgctctgtac	caggccatga	agggccagag	gggctccagt	gagaccataa	122040
tccgccccct	tttaaaaggg	ggtagaggaa	gttcacgcga	agccaacagt	cttctcccca	122100
gctttgggtc	ctctcctgca	cccccgcggg	agataagggtc	tccctcccg	gacacatcat	122160
acatacacia	aaaaacgcac	acactcgcac	gcgcgcccac	ctcgcacccg	cttgtaaagt	122220
cactaagggg	catacacaca	ccgggcacat	atttctttcc	acccatcccc	aagatcgcaa	122280
gcgcaaaacc	tcgcacagcc	tcacgtttcc	caccagctca	gacatgcacg	ctggcggact	122340
ttcagcggct	caccctgtgt	cacactcacg	tgcccccccc	cccgttcccc	caagcccgtg	122400
caaagggtaa	cgggcaagca	tcctgagtca	cacctgcaca	agcatccttg	cgcgcagctg	122460
cacgctcata	tgcactcgat	cttgacgcga	caaactcttg	catatactat	tcttatagtc	122520
gcacactggg	cttgaggctc	gggagtggaa	ggaaaagtgg	aatcttggag	ctgtcccagg	122580
ggacagaaat	gctggaggct	gggacattgg	cgcgagggac	gcggctgggg	gcggggggag	122640
gggtgacca	gaagctcatc	ttctcctgga	aagttgggag	gggggaacag	gacaagtcca	122700
cggcgtttct	ctaaactacc	gcattcccc	aagaagggat	ttctctagaa	gagtggcgcc	122760
gcgaggacga	tcgaacacag	tcctccgggt	cgcttaagcg	ggggggaggg	gggcgggggt	122820
gaggggggta	gaaagccgct	ccgcctcct	agtggctcag	aaagggttaa	gtcggcaagc	122880
cagcaaacga	gggaggagcc	agcgagtgcg	ggaaggagtg	gggggtggtg	ggaagagctt	122940
cctcgtgtgc	cccactctcc	ctcggctagc	agcctgggca	cacggacaga	cggactgacg	123000
gactctcgag	cggacagcgc	agctagcggg	gcgcgggcgc	tgggcgtcga	cggccagccc	123060
cagccttccc	cgccccgtcg	cgccccgccc	cgtcccgtcg	gggccgatgg	ctcctcccg	123120
ggccccgagc	ccgggcggcg	cagggtagag	cgccgcggcc	cggccacgca	gccccgggac	123180
tccccggccc	tcccggagcc	ccgcgggggtc	ccgcctgtgc	atccggcggg	ctcagggagc	123240
gagtgaggag	gcccctcccc	cgctgcccc	tcccccgagc	atcgagacaa	gatgctgccc	123300
gggctcaggc	gcctgctgca	aggtaagaac	gccagcggcg	ggagagcgga	gggcatcctg	123360
gggagagaag	cagggcgctc	cctctttcag	ggattgaggg	tggggcagtt	ggggagggtg	123420
ggtaacctgg	ggaaggggaa	aagctcagcg	ctggggccgc	gcccccgccg	ccagggctgt	123480
tctcagcagg	agggcacttg	gctgggagcc	cgcggggcgc	tgcgaggagc	tcgtgaccga	123540
ggtgggagcg	agggggcagg	tggaccggc	ccggagcggg	gagggaggct	caggttccgc	123600
tgtccccgct	ccacctgctc	cgggggacgc	tgggactcgc	ggccgggctg	ggaagcgccg	123660
actcagcaac	tcctcctgcc	cggtgccctc	gcactttctg	gccacctggg	aagacaggag	123720
atgtgggtag	ggggctgtct	ggggaggtag	gaggcgcaga	gggaaatcca	agtggccttc	123780
tctggtagga	gagatggagg	gcgctagaaa	gaggatagtt	ctactgattg	agtgcagatg	123840



aaggggtgtgg	gccagagact	gggggtgggg	tggggagggg	tcagggggag	agggatagga	123900
aggagaactc	aaagatggag	aaagtgggtga	gggaagctca	aaggaggagg	gagatggagc	123960
gggggagggg	gagaaggaat	aaagggttaga	tgggaaaagc	gtggagggaa	gtgggaccca	124020
ggtgaagacc	aaggaagagg	gaaggagagg	aaagaccaga	tcagggggagg	gatgggaaga	124080
agactatgga	cagggaccca	gaatcctggg	atggaggttag	cgggaaagag	aatcaggact	124140
gggaccctgg	ggactggaat	ggaaaaggag	aatggaaaga	tcagaaacca	gagaaggatg	124200
gggatgggtga	ctagagaagg	ggtatcagga	accggcgaag	aggggttgag	acagggaaacc	124260
atggatggga	gaggggctgg	agaggagggg	agaaggaggag	gaagagaaaag	gctgagagag	124320
agggactggg	gattgggggt	gctgcccagg	gatgagacaa	agaggcttct	ggtaaccact	124380
tccacgtggg	aagccctcca	ttcccaaagc	gcctgcctgc	cacatttctt	ctctcaggga	124440
gtggctggtg	ggccagatgg	gggggtgcttt	gagctcaggg	ccctgggggt	ggctgtgagg	124500
gacagagggt	gaggactttg	gaaggggagt	gcagcctcc	gaggggtgggc	aaacaggctg	124560
gctcctgtgc	tgccatttat	ttatccggcc	cggacgttgg	attctgcagc	cgctgccgcc	124620
accacgggtg	ctgcttattt	tgggggtgtta	cattctggca	gagtgagaag	ctgtttgcag	124680
cagctctaaa	cctccgtcac	ccgcgtcagt	gcctccccag	gcccctgcgt	cactggcatc	124740
accaccacct	ccatcccact	cctcagctcc	cacctcctca	gcccctgccc	cctcagcatc	124800
tgcccgagg	ccccagccct	tcctgaagc	agcccggttg	gtgtggagcc	cttgcttctc	124860
gtctgggacc	ctgtgcccct	ccttccagag	cgagaggcct	ctgctgcctt	tccagggagc	124920
atccttttct	gggaccactc	tgcaccagcg	actctgccct	gtgggtgggt	agcctggatc	124980
ctgcccccta	ctttgggtcc	agttttcttc	tcctcaagtt	ccttcttcta	caggggcctc	125040
cggcccaaag	agtggcctgt	gggctgagaa	ctttgtttct	gagccttggt	actccaaggt	125100
ttgatagcca	gagtcctgga	cagtgtgtccc	tcagtgaaca	gatacttttg	gctctggaca	125160
cttcagcctt	ccgggatcaa	taccatgttc	tggcctctct	tggctccctc	ccctggtcag	125220
ttctggccat	atattctgga	caggggtcat	ctcttcttga	ctcccacatg	taatcactac	125280
tctagaacaa	ccgcaactgg	aagcctagga	ggtgaaagtt	gcagagagag	ctggagtcct	125340
ttccttgctt	tgaccctgaa	tagccaaaca	gactcagcat	tgtggctggc	ccagccctag	125400
gcacctgggt	gcaattttct	tcctgtcttt	acctcaaggg	cagtgtctca	cacattcagg	125460
cgtggtttct	gcggaggatg	tggccacctc	ttaaagaaaag	atcagagtgt	ctctctgaca	125520
tgggcttgat	gtccctcttt	tccaatctgg	gttccacctt	gtactagctg	catgacctga	125580
ggccactgtg	tcatgtttct	ggggctccct	tccttcatct	gcaaattggg	ggccacataa	125640
ttgacctcca	ggggattatg	tgtgttgtgt	tcaatgtata	aagaagttaa	cctgtacaaa	125700
tgcagtgcct	aggacaaaat	agggtcctct	tggtttctct	ctaccctgct	gtactctccc	125760
ctgcagctct	agccatcccc	tgtgtacttt	agaggagggg	gtgagcagag	aggggtggggg	125820
aggctgtctac	aaagggcttt	cctctgtcca	tgaagttagt	gagggatgaa	atgaaggctt	125880
ctgagaaaga	caatgaaggc	gagctgtaga	gacctgggtc	ggaggcctgg	gggtgtcaga	125940
aactcacact	tccccctccc	agccctcaat	gggtgtacct	atgatgtgag	gggtcggctc	126000
taggtggcca	ccgaggtatc	cccctttcca	gctctgatac	tctgtgcatc	ttgccccagt	126060
ctccaccggg	aattcacaaa	atgaaggcca	ggagtggagc	cgtggtcctc	gggagagaca	126120
ggaggcctgg	gcctggaggg	aaggagtggg	gggtgtgagg	aggagtgaga	acaggggggtg	126180
gggaagggac	gtggcaagaa	agaaaagggc	acacactggg	cagggcaggg	actgagggcg	126240
ggggagagag	ggaaaggcac	agctctctag	tcccccaacc	ccccagtccc	accacctctg	126300
ccctggagtg	ctgcgtccag	cccagcagg	cctggggcag	tgaagcccag	agccccctcc	126360
cctccccctc	tccttgccct	cagtgtgagc	cgctgcgtga	attatggatg	agctccttgg	126420
gttacagctg	ctttgcacgg	cagtggcaag	ggccagaaat	ggcaacagag	tcactgttat	126480
gcagcagctg	ttatggagga	gccccagca	ccgggtcgct	cttcagagag	cctgcaggga	126540
ccactatcat	gggctggggg	aggtgagccc	tgggtggggg	agacatggga	acaagatgga	126600
aggagagtgg	ggaaagagaa	gagaagtagt	ctaagtgggg	caggtggggg	gcaggagagt	126660
ctagggagag	aaagaggagt	aggcaccctt	gccagctcct	gcagagttta	ccctcaaggc	126720
cggaaaggaac	cctgatgcca	ggggaatggg	ccttgccctc	gagattgcac	atccttccct	126780
ctgtctctcc	tggggcagcg	gtcagtcggg	aggctggggg	aaagctctgt	aatcctccag	126840
gggtctagcgg	ccatcagggc	tcacactctg	gtgagcttgt	ggataagggg	taggattaag	126900
ggatcagaga	aggatttggc	ttcttttggg	gtcaagtcct	tagggaagtg	gagatcagag	126960
ggtgactctg	acaggaaggg	aagtgccttg	gctgggcctc	aagagacttt	tctggccctt	127020
tccttgccaa	cactttgctg	tgtgaccttg	ggtaagtgcg	ttgctctctc	tgagctccag	127080
tcatacctc	agtagaactg	atgcttgaac	cagaggaatc	gaggggacct	ttgcggcttt	127140
gaaatctcca	gttctaagcc	ccaaacctca	accctcatga	aacctactca	gggtccccac	127200
tgtgcttcca	cactccacct	ctgcctgggt	cagatgaggg	gtaagagaca	ttgctctccc	127260
acccccagtg	ggtctaagaa	actcgggagg	agaaagtaat	cgtgaaacgc	gcacggggg	127320
aggggtgag	agggccgaga	aacgcggagg	tgggtgtgaac	gaatggaaca	gcagccgctg	127380
tgtcactgag	tattacatca	caccagcct	acacacgcac	ggggccccggc	gctcacacac	127440
acgcggagga	cagccagcac	gcaccgacgc	agcaccgacg	cagcgccagg	aggggcccggg	127500
gacactcaag	gtggggccca	aaagcgagga	gcagcacact	gggagtgtgg	atcttccacc	127560

ccgcacctgt	gtgctccccc	ctctggagga	ggaacaccag	ggcagctggg	atgccagcgc	127620
cacactcggg	gcctgtcagt	cccatgcgtg	cacacctggc	tgagcagcac	tgcatattggt	127680
gagcacctgg	ctcacgccac	tacccaaaat	cacagataca	tacacacatt	cacgcacacg	127740
gcaacctcag	gagcgtgaca	caacacacac	aaaaccacca	ctaagcaagt	gcaattttgca	127800
gccttgagga	ccccacactc	aaaatcacca	acccctcagt	ctctcccagg	gtctctgaac	127860
cccaaggagc	cccaggatgt	cagagtgcag	aaacaagtct	tcctcccctc	tgccctcaaa	127920
agcctaggac	gttgcttgaa	gcagaagggtg	ttcagtcact	gtgtgcccag	ggaatgactg	127980
cctggctttg	gggggtgcagg	ctcccttttt	cccagggcaa	aactgccaga	agaaaaatccc	128040
aggagtcacc	tggaaatcat	aagaaagtgt	agaggccaag	ctagttccgg	cctagaactt	128100
tatcagctat	agtgcaggca	aaggccaggg	atgatgggag	gccctgcacc	cctattaaaa	128160
tatgagtaca	gacacctgca	ctccactctc	tagccccag	gctctctggg	cctgcttttc	128220
catcagtatc	ataataagga	tggatcatat	ccaaccttca	aaagttactt	tgggggaaaa	128280
aaaaaaaaaa	gctttgggtg	gatgcggtag	cttatgcctg	aaatcccaac	actttgggag	128340
gccaagggtg	gaggattggt	tgaggccagg	agtttgagac	cagactgagc	aacatagcaa	128400
gaccccatgc	ctacaatttt	tttttttttt	tttttttttt	tttgatacag	agtctcgctg	128460
tgacccag	gctggagtgc	agtgggtgcga	tctcggctca	ctgcaagctc	cgccctcccg	128520
gttcacacca	ttatcgtgtc	tcagcctccc	aagtagctgg	gactacaggc	gccccgccacc	128580
atgcccggt	aaattttttt	tttgatat	tagtagagac	ggggtttcac	cggttagacc	128640
aggatggtct	cgatctcctg	acctcgtgat	ccaccgcct	cagactccca	aagtgcctggg	128700
attacaggcg	tgagccaccg	cgcccgcca	aaaattttta	aaaaattagc	tgggtgcagt	128760
ggcacggggc	tgtggtccca	gctcctcagg	aagctgaggc	aggaggattg	cttgagccca	128820
agtgatccaa	gctgcaataa	gctgtgatcg	taccactgca	ctccagcctg	ggcgatggag	128880
caagaccctg	tctccaaaag	aaaaaaaagaa	agaagttttt	aagtaactgc	gaatgaggag	128940
agcctggggg	gtaaaatgca	gattcccagg	ctgtccccc	aggaattctg	catagttcct	129000
aggactggct	ggtggcctca	cttagagacc	cgacccttaa	ggccctccc	ggcacaaaaga	129060
ggctctgact	ctgcaagggc	gaaaagtaca	ggaaagtaag	ggcactgggc	accagtgggc	129120
tggcaagacc	agaccccaga	gtgagtccat	ttcacacggg	cctcagatct	ccaaagggtc	129180
ccaagttact	tccagtcatt	ctccaatggg	gtgactttgc	ccccagggg	acatttgcca	129240
atgtctggag	acattttggt	tgtcacaact	ggaggcaggg	tgctgctggc	atctagtggg	129300
tagaagacag	agatgctgct	aatgcctta	tataggctg	ccccacaac	gaggaactat	129360
cgggccaac	tgtcaatac	gaggcagaga	aacctgacg	ttagtctttt	cagattaatc	129420
ctagacaag	gtcaaacatg	caatagtga	aacaggaatg	aagagatgat	cattcttcaa	129480
ccaatttgca	gtgctttcta	caatggcctt	ttggcattat	tttttaatat	atgagaagcc	129540
tcagaaagtg	gaagtggcca	ggccacttga	ggctataacg	ttgtccctg	agccccaga	129600
catgggagca	ccagggtctc	aggcctttat	ttttattttc	tattttttcc	cctgaaacag	129660
ggtcttggtg	tggtgccag	gctggagtgc	aagggtgtga	tcgttgctca	ctacagcctc	129720
aaactcctgg	gttcaagcga	tcctcctgcc	tcagcctccc	aagtagttgg	gactacaggc	129780
acatgccacc	atgcctggct	aatttttttt	ttttcttgt	aaagacaggg	atctccctta	129840
tgttgcccag	gatagtctca	aactcctggc	ctcaagcaat	cctcctgcct	tggcctccca	129900
aagtgcctgg	attacagggtg	tgagccacca	tattcagccg	ggtctaggcc	ttttaccaag	129960
ttggggggg	agccccagc	tggaactcct	gccctggaag	cccacctagt	aagtctctgt	130020
tccctcccc	acagctcccc	cctcggcctg	cctcctgctg	atgctcctgg	ccctgcccct	130080
ggcgggcccc	agctgcccc	tgctctgcac	ctgctactca	tccccgcccc	ccgtgagctg	130140
ccaggccaac	aacttctcct	ctgtgcgct	gtccctgcca	cccagcactc	agcgactctt	130200
cctgcagaac	aacctcatcc	gcacgctgcg	gccaggcacc	tttgggtcca	acctgctcac	130260
cctgtggctc	ttctccaaca	acctctccac	catctaccgc	ggcactttcc	gccacttgca	130320
agccctggag	gagctggacc	tcggtgacaa	ccggcacctg	cgctcgctgg	agcccgacac	130380
cttccagggg	ctggagcggc	tgcatcgct	gcatttgtac	cgctgccagc	tcagcagcct	130440
gcccggcaac	atcttcggag	gcctggtcag	cctgcagtac	ctctacctcc	aggagaacag	130500
cctgtccac	ctacagggtga	gcctgcctg	ccccaccct	cagccctttt	ctggtttccct	130560
ctctctgtgg	gccccctctgc	tccccgaccc	tggcgtgcgt	ccctcctctc	tccccaggcc	130620
acccttctctg	cctcagcatc	tccattttctc	tctgtctatg	tctcttttct	ctcttacatt	130680
ctccaggggc	tttacttttt	cccttctgcc	tctctacctg	tttaggtccc	ttgctgttcc	130740
tctctctctc	tctccctcta	actccacaac	cttcacctct	ctgcctctgc	ctgtctgtct	130800
gtctatccct	ttccatccat	cactgcctct	ctcactaact	tgccctcccc	atctgtcttc	130860
tgccctctct	gtctgtctcc	cttcacacac	ccactccgca	tacaccccca	tgtctgtctg	130920
cgtgtgtgta	tctgtctctt	tctgtgatct	cacgtgtttg	ccttcagggg	actctgcctt	130980
ccccagggt	ccctgcccc	aaggcctttg	cagctgtttt	tctcaccac	cctcaagctc	131040
gcccacatca	cggtagagta	gagagagaag	gcagagccac	agccactggc	atccccagaa	131100
aagttgcgct	tctctccaat	tactggggca	atgggacggg	agaagccac	accccttcta	131160
gattcccat	ttccaaacct	gtcatctcaa	tgcaggggaa	gaaagaaaag	ggtaaatctc	131220
tgttatgcag	ctggagaatg	gatgctctga	aatggaagg	aataccagta	attgttatctc	131280

attgttatta	ttattgatct	aattattggt	tattgttggt	atgctgactg	tttgacacgc	131340
aaatcatccc	actccatttc	cccaggaagc	aataacacac	cctccaaacc	accctgagag	131400
aaaatcttcc	cttggtctaca	gagcctccgg	ctggaagggg	gtgaaaatat	ccaaattctg	131460
ccctctccct	acttgaacct	ggaacgtgct	tcctctgcct	catccagggc	tagtgcctaa	131520
ctagtattca	atctgctagt	tggaaaatca	ggtcagtgtc	gatgatgcta	atgataataa	131580
caatagccat	aacaacctaa	caaacatact	gagcaccac	tacgagctag	atgctaagaa	131640
tacagtagtg	aacagaacag	accaaaccac	ctgccttcac	agagatacca	ttcccatgag	131700
gagggaaaga	agtaaaatgc	acggtatatt	ggaaaaatat	gtcttatatt	attcttattg	131760
ttgcctaaat	agtgcagta	atagcagtag	ccgccaccac	ttagtgggta	cacaggggtca	131820
gccacagtgc	caagcacttt	ataggtatcc	actctgccat	ttacaagcgt	gtgacatttt	131880
ttttttttac	ctcctcagac	ctcagttttc	tcatctgtac	aatggggtag	caagagcacc	131940
catctcctag	ggattttgaa	agcattataa	gcatgaataa	tttgtaaagc	acttagaata	132000
gtgcttggca	tacggtaagt	gctatataaa	tgcttgttaa	aatactat	taaaaaaaga	132060
aacgagcctt	atttaacatt	ggtttcagt	aagtggccca	acttggactc	catcctgaag	132120
atgtgggtca	acttcaagga	ttatactaag	gtcatgagt	agtcccagaa	attgcacctc	132180
acagtttatg	aagtgcactc	agccacctca	tctcatttct	acagcccagt	tgggagatta	132240
ttttcacctc	cttggttaaca	atggagaagc	tgaggctggg	ggccctgaag	accctataga	132300
gatatagtca	cctccaatca	taaatctttt	caaccattgt	cgggtgtgacc	ggaggttat	132360
gtcttctcac	catcatgttg	agcctcacia	caacctgggt	atagggacag	ttaggggcac	132420
tagggacatg	gaatgaatgt	tcctgaggcc	acacacccag	gaagagctgg	cgcttgaacc	132480
tcatggctcg	gttacaaggg	gacagtactc	tggagtacaa	ttgagcaggc	tcatttttga	132540
aagcacacag	tttggaactc	gcaagacctc	ggttcaaate	ctggctccta	tatatatgac	132600
tttggaacaaa	ttacttaacc	tctctcagtc	tcattttcct	catctctaaa	atggcaatca	132660
ggatagtact	taataataat	cttttttttt	tgagacgacg	tcctactcta	tcgcccaggc	132720
tggagtgcag	tagtgcgac	tcggctcact	gcaacctctg	cctcccaggc	tcaagtgatt	132780
ttcctgcctc	agcctcctga	gtaactaaga	ttacaggcat	gtgtcactac	accagctat	132840
tttttgtatt	tttagtagag	aagggtttca	ccatgttggc	caggctgggt	ttgaactcct	132900
gacctcaggt	gatccactca	cctcggcctc	ccaaagtgtc	gggattacag	gtgtgagcca	132960
ccatgcccag	ccaataataa	tccttatatta	agaagttttg	taaggattaa	aatgtaaggc	133020
atthagcaca	aggattaaaa	tgtaaggcat	ttagcacata	tgggcactat	aataataatt	133080
actactacta	ctactactaa	tactgagatc	aaatactact	acaaattgat	catgcattta	133140
atgctttcaa	aatctcctta	tcaatatata	ttagtatttt	aggaggaatt	tggagtca	133200
gggcctgagc	ttgaatcccc	gatctactat	tttctgactt	atttaacttt	aagcaggttg	133260
ctaaccctct	ctgaacctca	cttactttat	ctgcaaactg	ggaataatga	aaataatacc	133320
ttccaccaag	aatggctgta	aataggaaac	gagttagtgt	atagaaagcc	catagttcag	133380
gctggtgtgg	tggcccatgt	ctgcaatccc	agcacttcgg	gaggccaagg	tgggtggatc	133440
acttgaagtc	aggagttcga	gaccagcctg	gccaatatgg	tgaaccctg	tctctactaa	133500
aaatacaaaa	attaggcagg	cggggtggca	ggtgtctgta	atcccagcca	ctagggaggc	133560
taaggcagga	gaatcacttg	aacctgggag	gtggagggtg	cagtgaagtc	agatcgtgct	133620
actatactcc	agcctgggtg	acagagcaag	actctgtctc	aaaaaaaggaa	aaaaaaaaaa	133680
aaaagcccat	agttcagtc	tgaagaaatc	atgttattat	gaccccatcc	tcatttgact	133740
ctcaggccaa	caacagcaat	caggacctga	ggtcagcaaa	ggcttgggca	gaggggacct	133800
caggtggaca	ttggggtctt	ctgaaatggg	aagtgtttgt	tctctacgcc	cctggcatga	133860
atggtaccag	gcatcatggg	aaggaagcaa	cttcacacct	ggccttttat	agaggagatg	133920
gaaaacacag	cctctgcctg	tgaactgcct	ggtagggctg	ggctgggaga	tgccacaggc	133980
aggtgaggaa	acatgggctg	gggtgagatc	cgcagggtgc	aggtgtgacc	caagatggag	134040
ccaggcctgc	cccaaagggg	agctttggag	gaaactccac	cagaggacca	cagcttttca	134100
gaatggggaa	gggccaggca	ctgtgccagg	tgagttcatt	catcaacaga	tatttactga	134160
gtatctacca	catgccaggc	aatgttccag	gtgccaggga	ttcaggagag	aacagaaaca	134220
gtggccctgt	tctcccagag	catattccct	actcaagtgt	agccagatga	taaagacact	134280
tgttttcttt	cttttttttt	tttgagacga	agtctcgctc	tcttgcctag	gctggagtgc	134340
agtggcacga	tctcggtcca	ctgcaacctc	tgctcccag	gttcaagcga	ttctcctgcc	134400
tcagcctccc	aagtagctgg	gattacaggc	atgtgtacc	atgctgggt	aatttttgta	134460
tttttagtag	agacggggtt	tcaccatgtc	ggccaggctg	gtcttgaact	cctgaccaca	134520
ggtgatctgc	ccaccttggt	ctcccaaagt	ggttgattac	aggtgtgagc	caccgcaccc	134580
gccgacactt	gtttttctct	tcagtcatta	cagtggcctg	catggttttt	gtttgttttg	134640
ttttgttttg	ttttgttttt	tgagacagtc	tcactatgtc	accagctgg	agtgcagtgg	134700
cgcaatcttg	gctcactgca	gcctcacctc	ctggggtcaa	acaattcccc	catcttagcc	134760
tccccagtga	ctgggaactac	agacatgtgc	caccatgtcc	agctaatttt	tctattttat	134820
agagacgggg	tttcaccatg	ttgccaggc	tggtctcaaa	ctcctgaact	taagcaatcc	134880
acccgcctcg	gcctcccaaa	gtgctgggat	tacaggcatg	agccaccgta	cacagctggc	134940
ctgaatggtt	taaaaatagt	ctttatgtct	aagcagatca	gatctcagtt	tgaattccag	135000

ccacacctct	aatttgctct	atggctttgt	gcaagttatt	taaccactct	gagcctcgat	135060
ggacccatct	gtgaaatggg	gataacctgt	accttggcga	gcaggggttg	tgaggattaa	135120
aggagatact	actgagctca	cagcccaatg	tctggtacaa	agtgagtatc	caatgaatgg	135180
tagctatcca	ttaacaccag	ggaggacacc	aactgaagct	cagcaaaata	aaagcacagt	135240
ccaaggtcac	ccagctagta	aggaacatga	cctagaattg	gccaggtct	gtctgactcc	135300
agagtgcagt	tggtcagagg	tctctggagt	tggaagccac	gttccactgc	atattagctg	135360
ttggacccta	ggcgagtcac	ttcacttctc	tgaggctcca	tctcgtaatc	tctgaaatgg	135420
agataataat	agtatccacc	tcataggggt	gtgacaatta	agttactata	taggatctgt	135480
gtagcacaga	gcttggcaca	tggttaagagc	tcaatcagtt	acctgcttga	caatgctgac	135540
gccgatgatg	acgatgatac	ccatcctaga	ctgatgagct	ctgtaagcgg	gggtgcctgg	135600
cacagagtag	acactcggta	cagctctgtg	gaatgaatga	ggcacatccc	agaactcacc	135660
aattcataaa	aatcagatgc	agatgggatc	ttaaagatca	cctatcctaa	gtcccttggt	135720
tcacagatga	aaagacccag	gccagagag	gtgcttggag	ctgcgcaagg	tcacacagcc	135780
aagcagctca	tttgattagt	gtcagagcca	agagctggga	gtttggaggg	aggcaagggt	135840
aagaacagga	tgctgtcagg	gaagcaggca	gggatgctgt	gttaagattc	caaatggatg	135900
cagagagctg	tgaaccggcc	agtggggagg	caagggaat	gtggtttttg	aaatggaaga	135960
ggatgacttt	agcagaggct	ctcagcccag	agggaggggga	gatagggagg	ggagataggg	136020
aggggcgggg	ggagggctag	ggctgtgaaa	gtcaagagct	tattaatgca	tagagaacgg	136080
ttttaacagt	ggagagagga	aggaccggat	ttgaaagcta	cattcaagga	agtggcaacg	136140
ggattttggca	acagcttgga	tggggggagg	aggcaatgga	ccccaaggca	gaggctcaga	136200
gaagggaggg	gcaggacttt	ttgcagagaa	acaaaaggag	aggagaggag	gttagaatca	136260
agaaattctg	tgggccaaaa	cctggggctg	tgggtcaaag	gcacctgaat	tccctaggat	136320
ctctggaact	ttggtctact	cttctgacct	cccgaggtcc	cccaaatgt	ggattacccc	136380
tgctcactct	cccccaaccc	ccggccctt	atcgatcctc	tgaccataca	tctctgggtg	136440
tgctcactct	ttgctgacac	ttcataaaaa	gaggaacccc	atttaggtgt	tttgagtggc	136500
agggattcca	agcctacccc	ctggatgggc	ctggaagaga	acaagagcac	caggccatgg	136560
tgagtccagg	tgaggccagg	gaggtgcaag	gagccagctg	gaggcctgag	ccaggatttg	136620
gggtggtggc	agcagggggc	ggagaatggt	ggtgtcagag	gcagccgaga	aggttgaggg	136680
ggacggatct	caatgtggcc	aagaggaggg	ctcttggcac	gctcagttcc	tgtagcgaag	136740
agggcggaag	ccagatggga	gggggcgaga	acaggcagga	gcacagggaag	gtggaggctg	136800
tgggtgtagg	ctgggagtca	atgccctccc	ccaacctgag	gcctccgacc	aggctcctgg	136860
gtggcaggga	tggggaggaa	agcgtctccc	caggcagtga	gggagggaga	gccacagtca	136920
gggaacaggc	cccctgggtg	aactggcctg	agcagagtgg	atgctcctgt	tctgagaccc	136980
agacctcctg	gaacctgctg	accacagtga	tgccctgcac	aagaggggag	gacctcaagg	137040
cagtgaggtc	agggagctga	agtccctgct	ccctctctgg	caagccctta	tctctttgag	137100
ccccagtgct	ctcctctaaa	aaagtgagct	gggctgatgg	gtgccaaagg	attagctccc	137160
aagtcagctg	atcatcagaa	tcccctgggt	agctggttat	aatgcagagt	ccaggaatcc	137220
ccactggccg	tgggccacac	acacccgccg	cccccgctg	ttaattctga	accatagttc	137280
caaggtcctt	tctgacttaa	tgtggcctga	ttaggtgact	ccctagcacc	aggcagggtg	137340
gacagcgctt	ctaaggggag	tagtaatgca	atgtgcttcc	cttctctccc	tcccctgccg	137400
cctctggggg	tggagctgat	gcccctcacc	ccaataccca	gcctagtagc	agtactttgg	137460
ttccccagg	gagctcctct	tttaaagaaa	agggacagga	ccaattggt	actgagcccc	137520
tattgtcata	gtagccacca	tttattgatg	gttgactatg	cacctgccag	atactgtacc	137580
cttaacagca	tttatcatcc	aacctcctt	tagcctgctg	aggggggttat	acataataag	137640
gaatattgta	catactgagg	aacctgagac	tccatgaggt	taaaacttgc	ctaaaataac	137700
acagctaggg	aaaaggcaag	ctggattttg	aactagggct	ctaagtgtct	agcctgtggg	137760
cttcataatt	ggaccaaate	cctgtgtgct	gggcacgtgt	ccagcacttc	cctcatatga	137820
tctttatgtg	aaccatcctc	tggaatcctc	agaacaaacc	caggaagtag	gtatactcat	137880
ccccatttta	cagatgagga	aacaggcaca	gagagatgac	tggcttggcc	aagttaagaa	137940
taatggctaa	caaacaaaaa	caaaaacaaa	aattaaaaaa	aaaaaaaagaa	taatggctaa	138000
ctcatggaac	tcatagaact	ccacaaggaa	aggtgttcta	agcaccttca	tacatgctgc	138060
ttcattttaat	ctctacatta	tacagatgag	gaaactgagt	cacagatatc	ctgagtgact	138120
tgcccacggg	ggcatcagtt	aatgacagat	ccaagatttg	aaatcagaaa	ggctggctcc	138180
ccagtctcca	tacttcacca	aaccagaagt	tctgaaactc	aaactgtggg	cctgccaatg	138240
gccacactgg	cttccctggg	gaacctgtag	acatggggat	tcccaggctc	caccccaaac	138300
ctcctgaatt	agaaactctg	ccccccgccc	caccccgctc	agagatccgc	aggggatcct	138360
aatacacccg	aaagtttagg	aaccactgac	ctcaccaata	ccactttttc	cacagcaaat	138420
aggtttagagg	aggcagaatc	caaataccag	atgctatgaa	tcaaaaaggtc	aaccttttct	138480
cttctgccac	ggcgacccc	cttccctccc	cgggccaaag	ccccagcggg	gtctgcaccc	138540
tgccctcagg	ccattctctt	cttctgtgcc	ccactccacc	ccaccagga	tgacttgttc	138600
gcggaacctg	ccaacctgag	ccacctcttc	ctccacggga	accgcctgcg	gctgctcaca	138660
gagcacgtgt	ttcgcggcct	gggcagcctg	gaccggctgc	tgctgcacgg	gaaccggctg	138720

cagggcggtgc	accgcgcggc	cttccgcggc	ctcagccgcc	tcaccatcct	ctacctgttc	138780
aacaacagcc	tggcctcgct	gccccgcgag	gcgctcgccg	acctgccctc	gctcgagttc	138840
ctgcggctca	acgctaacc	ctgggcgtgc	gactgcgcgc	cgcgcccgct	ctgggccttg	138900
ttccagcgcg	cgcgcgtgtc	cagctccgac	gtgacctgcg	ccaccccccc	ggagcgccag	138960
ggccgagacc	tgcgcgcgct	ccgcgaggcc	gacttccagg	cgtgtccgcc	cgcggcacc	139020
acgcggccgg	gcagccgcgc	ccgcggcaac	agctcctcca	accacctgta	cggggtggcc	139080
gagggcgggg	cgcccccagc	cgatccctcc	acctctacc	gagatctgcc	tgccgaagac	139140
tcgcgggggg	gccagggcgg	ggacgcgcct	actgaggacg	actactgggg	gggctacggg	139200
ggtgaggacc	agcgagggga	gcagatgtgc	cccgcgcgtg	cctgccaggc	gcccccgga	139260
ttccgaggcc	ctgcgctctc	ggccgggctc	cccagccctc	tgctttgcct	cctgctcctg	139320
gtgccccacc	acctctgact	gcggtgctga	gatcgaagag	gccagtgtcc	gatccccgct	139380
ttccgtccac	ccggggctgc	ggctccggcc	ccagtcgccc	caccttccct	ggccttgctg	139440
cctccctttc	ccctcccagc	tcctctcctc	cccggggagc	aggccgcctc	tccttgccctg	139500
ccccctgggc	tgtcctgact	tgtggcagcc	ccaagagggg	gtgtgtgggtg	gctcagccct	139560
gccctcccca	gttctggcca	ttactcttcc	cccatcccaa	ggctgggggtg	gggcccccca	139620
ggcagccgct	gacccgcact	cctaaggggc	cacagcggac	accagagggg	cttttgtctg	139680
cagagcgtct	tccaccagca	gagccttttg	aagctcccc	aggagagccc	accagggacc	139740
ctttggggga	tgctcagtc	agggccaggc	tgaccctgac	ccctgcttac	cctagtcccc	139800
tcaacctcct	gacactggag	gaatactttt	ctcctaagtc	taccctggac	acttttttagg	139860
gcacctggag	agaacttttc	tctccactgt	ggcccctgcg	tggtgaagat	caaaaagaagt	139920
tgtttgggaa	aaaaaattta	ttaaaaaatt	ctattatttt	atctactgta	agatttgttg	139980
acttgggacc	ccgaaagcgg	gatgaggtct	cagaatgtaa	ggattgcagg	gccaggaggg	140040
ttggagaagg	ggagccgtcc	cccgccatca	aagagcttcc	tggtggctgg	aggtgggtgtg	140100
cgctcccccg	ccatgaggag	gagctgaagc	cctgcattct	aggtgaggcg	cagtgtggca	140160
gccaagagtg	ggtgctgggtg	gcacctcttc	tcttcatttg	tccaggggaa	gagctgcagc	140220
caaccctgag	tggtctggcg	cctgagggaac	taagcctggg	gaagacctgc	tgtctgggta	140280
acagccctct	tccagaccct	gttccttcag	gaaacaagag	cagttctcct	gcaaggagga	140340
gtcacataca	cactcctggt	cacagacagc	cccaacatgg	ctttgggtaa	atgtgaacaa	140400
ggcactgctc	cctcagggaa	acacagcccc	atgccagagc	aaacacctta	gcaaacagag	140460
accaaggctg	ggtttccgcg	tacacttgcc	tccttggtca	agtgcctctg	tgcaagtgcac	140520
agcgtacaca	cctgcacaca	gcaacctctg	gggtatgtgg	tctctctctc	agctcctgtg	140580
aggtagaagc	catcagggat	gaaccagggt	agacaagcag	gtttccaaac	aggctagaag	140640
agggaccgag	gaactcgggt	gatcagaggg	acaggaatcc	caaattggga	tgcattactg	140700
gcttgaggta	caatcagaac	cttcactctt	ctggtgtgtg	gaagagaggc	tggggactgg	140760
gaagagctca	ggctaagaag	gacttggggt	gggatttagg	ggtgagtctc	atcagactga	140820
gcacttgagg	agaagtttgg	tagtttgaat	ttggagctaa	gaatctagct	tgggcagggt	140880
gtggtcgctt	gcacctgtaa	tcccagctaa	ttgggaggct	gacgtgggag	gatcacttga	140940
ggccaagaat	ttgagactag	cctggacaac	atatcgagac	tgagtctctt	aaaaatgttt	141000
ttttaagaat	ctagtttgga	gtgggggtgtg	atgtctcaac	gtctgtaate	ccagcactct	141060
gggaggctga	ggtggacaga	tcacttgagg	tcaggagtcc	aagaccagcc	tggccaacat	141120
ccgagaaacc	ccgtctctac	taaaaattca	aaaaaattag	ccaggcgtga	cggcgggtgc	141180
ctatagtccc	aggtaactcag	gaggctgagg	cacaagaatc	actccagcct	gggtgacaga	141240
gactctgtct	aaaaaaaaaa	aaaatctagc	ttgggagggtg	ggaatagaaa	gatagagggg	141300
gcctagatgc	tagggcttga	ggaagcaggc	tgaggttctg	tgattctggc	tagggagggtc	141360
aaatgatctt	gagaagaaga	gaagaaagga	gaagaaatca	gcatctaagc	ctgaggcgag	141420
tagactccgg	ttaagggtgt	gggggtgggct	gggggagagt	gagagcagct	ggtcagaaac	141480
ccaggggagct	cggagtctgg	ggtcttgagc	gggcttgtgt	caggctggct	gtgaggaggt	141540
taatgggttg	gattggaggg	acagccagac	aagagctctg	gtggaggagg	ggctgctggg	141600
gcctgggcag	ggggagggga	gctgctggta	aattagaggc	aggctgtcca	ggtcatagaa	141660
ttatcattgt	gaaatattca	tgggccatcg	gtccagatgc	tatttcagaa	cagtgaagac	141720
aagaggagtg	tgtgagcctc	aggaagaagc	ctgaagcaaa	gccactctcc	accaaccccc	141780
acctctccca	ccaccagccc	agacagaccc	acggacgccc	atcacgtgca	caccacact	141840
cccagagctct	cacacacact	cgcaccaagc	agagccatgt	agcacgtgca	agcacaccaa	141900
ccaccacagg	gtcccacaaa	caggcagggtg	tcccctaaat	tctgacatgc	acactgacat	141960
gcacaccac	tcaatcagga	cccagcagag	atcacctcca	gcgatctcac	atgcgcagac	142020
cccaaactc	tccaaacaac	ccagattcac	caccttgacc	cacacaccct	gagataggag	142080
ggatgttcaa	ggccatccag	cccaaccccc	accaatgctc	tgatggggaa	actgaggcca	142140
tagaaaggaa	gggatttgtc	tgagattcct	ctatccctcg	aaaaaagcaa	aattcattca	142200
cctcccacat	tctgagtgtc	ccccattctc	gcattttcgt	ctgccagaca	cccagcctag	142260
ttgtaattaa	ctcctccctt	tctctaattt	cctgcatcta	ttcagttacc	cagtccccca	142320
cccagccaca	gtctatccct	tccttcccat	tctccccacc	acctccctgc	tccagctact	142380
cattacctca	tgcttggaa	ataaaagaaa	actgcgataa	cctcctcgct	ggtttcctac	142440

atggaatctc	tccctccctc	ccaccagcc	ataccgtggt	gaccagattc	atctgatcaa	142500
aatttgcata	tgttatgatg	tcactcagga	gcctgtaatg	gcttccta	gcctataggg	142560
taaaggtaaa	acaccttagc	agagcatcaa	agatccctca	gagtctggta	ccaactgctt	142620
ttctagcctt	ttctctcaca	atctcatccc	aaaccttcac	tccagctaga	acgtttgtat	142680
catactggcc	accagttatc	atgtatgtga	aaccaccaa	ccgactttga	gtgccccct	142740
aaaatttctc	agtctctcct	gaagtaggaa	acctcttccc	cctcctcaga	tctcagactc	142800
cagagccctt	tcccaaggcc	aagactgcac	ctctctgacc	atatacaggg	gttcttcaaa	142860
gcagcagaca	gaggctcagg	ctctggctcc	ctccaagcag	acggctgccc	ccgactggcc	142920
accttgaggaa	gcacagccag	gtttcagtcg	tctagaacag	agaatgagca	tctaaccgcc	142980
tggggagagg	actaggacac	cagatgataa	ggtttataag	cccttaagcc	tctaagggtc	143040
ttacacccag	agtagggggg	ggacggttct	cagccctggt	tccctagctg	cgggctccca	143100
attttcgatc	cctaattccga	gaggaactcc	tctccaatga	aatacagact	tgggactctc	143160
aggacactgt	ggaagggaaa	tttcccaaca	gactctgaga	gtccaggagg	ccagggatag	143220
accaggtggc	aggcccaagg	tccagctggg	gtcaggtttc	tatatgaatt	tttaatgctt	143280
ccagatagac	ttgtcagatg	ttctgaaaac	tgagcatctc	ctttcacctc	tgtacatgat	143340
gcccttctcc	aacccattg	cccctgcagg	agggcaggcc	tgggacagat	attcagtggc	143400
ctctggagaa	acggttttgg	gacagtagaa	gggtaaatga	cctagttatg	ttcccactag	143460
taagctgtgt	gaccttgggc	aagttactta	acctctctga	acattagagt	tctgtggggt	143520
tgtttttgtt	ttgtaagctg	gggacaatag	tgccagccta	aatcaatttg	ttgtggggac	143580
tcagtgcaat	agcccatggc	aaagtgaact	acatgcttgc	tggtattatt	ctctttcctc	143640
aagttctgcc	tccctcttcc	agcttttctt	ccaaccccaa	agatgtctct	ggctattgct	143700
tcgaaggtag	gaactttggg	tggttctccc	ctttctcttc	aggcccaaac	tcccacctc	143760
aagatccttt	ggcctttgta	gaaacttcag	gtgaggaggt	ggcagagaaa	taagaaagtg	143820
tgcaaggctg	gtggagttag	agaggaggat	agatggcgaa	gccctagcag	aggggagggg	143880
agtgggcagt	ggagagagg					143899

<210> 16  
 <211> 215980  
 <212> DNA  
 <213> Mus sp.

<220>  
 <221> modified\_base  
 <222> (1001)..(1100)  
 <223> a, t, c, g, other or unknown

<220>  
 <221> modified\_base  
 <222> (2123)..(2222)  
 <223> a, t, c, g, other or unknown

<220>  
 <221> modified\_base  
 <222> (3728)..(3827)  
 <223> a, t, c, g, other or unknown

<220>  
 <221> modified\_base  
 <222> (5168)..(5267)  
 <223> a, t, c, g, other or unknown

<220>  
 <221> modified\_base  
 <222> (7481)..(7580)  
 <223> a, t, c, g, other or unknown

<220>  
 <221> modified\_base  
 <222> (8849)..(8948)  
 <223> a, t, c, g, other or unknown

```

<220>
<221> modified_base
<222> (10375)..(10474)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (12270)..(12369)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (13438)..(13537)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (15902)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (15939)..(16038)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (18223)..(18322)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (20974)..(21073)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (24403)..(24502)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (27574)..(27673)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (30892)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (30901)..(31000)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (34443)..(34542)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base

```

```

<222> (38205)..(38304)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (42373)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (42386)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (42393)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (42461)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (44809)..(44908)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (51380)..(51479)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (56740)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (56765)..(56864)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (62818)..(62917)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (68518)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (68534)..(68633)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (74552)..(74651)
<223> a, t, c, g, other or unknown

```



```

<220>
<221> modified_base
<222> (81446)..(81545)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (88519)..(88618)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (93791)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (93794)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (96565)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (96570)..(96573)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (96579)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (96590)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (96596)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (96602)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (96616)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (96629)
<223> a, t, c, g, other or unknown

<220>

```

```

<221> modified_base
<222> (96633)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (96668)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (96715)..(96814)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (104447)..(104546)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (114521)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (114527)..(114626)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (127063)..(127162)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (139133)..(139232)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (151051)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (153242)..(153341)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (164706)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (164708)
<223> a, t, c, g, other or unknown

<220>
<221> modified_base
<222> (164710)..(164809)

```

<223> a, t, c, g, other or unknown

<220>

<221> modified\_base

<222> (182242)..(182341)

<223> a, t, c, g, other or unknown

<220>

<221> modified\_base

<222> (192158)

<223> a, t, c, g, other or unknown

<220>

<221> modified\_base

<222> (192192)

<223> a, t, c, g, other or unknown

<220>

<221> modified\_base

<222> (198842)..(198941)

<223> a, t, c, g, other or unknown

<220>

<221> modified\_base

<222> (199437)..(199438)

<223> a, t, c, g, other or unknown

<220>

<221> modified\_base

<222> (208276)

<223> a, t, c, g, other or unknown

<220>

<221> modified\_base

<222> (215974)

<223> a, t, c, g, other or unknown

<220>

<221> modified\_base

<222> (215976)..(215977)

<223> a, t, c, g, other or unknown

<220>

<221> modified\_base

<222> (215979)

<223> a, t, c, g, other or unknown

<400> 16

ttgggggtat	aaaccagaa	gtgggattac	tgcaccatac	aataatcctc	taacttcaag	60
caatttttcc	acaatggttg	tatcatttta	cattccact	ggctacgaga	agggttccca	120
cttctacaca	tcttcaccac	catttctgtt	tttgtttttg	agtaacagct	gcctaattgac	180
tgtgaagtgg	tatcttatct	cagtgttgat	ttgcatttct	ctgatcatta	atgtgggaag	240
gcatcgtttc	atatgtttat	tggctgtttg	tgtatcatct	tctttggcga	tgttgattca	300
agttatttgc	ttgttttttt	aattggagtt	ttaaaaaatt	gttggtgagt	tgtgggagtt	360
cttcatttagc	tctgcatatt	aataccctga	tgaaaatgat	taacaagtat	ttgcttccat	420
tttgggggct	tccattctgg	gctgttttta	ttcttttgat	actcttttga	ttctcaacag	480
tttaatctga	ctaaaattca	gtttatttct	tcttttaattg	gccatgctat	tgacacatcc	540
cgtaatcact	gccaaatcca	gtcatgaaga	gtttctttca	agagatttat	agtttttagct	600
ctttaagttt	gtcatgtctg	tttcacttaa	ttttgtatag	tgtacaaaag	tctaacttca	660
ttcttttcta	tatggcttgc	tactagtata	cgaagagcta	aattttctctt	tccttgagtc	720
tcaacctctg	atgtgtagca	atctcttcag	aggaaaacat	ggtgggaagt	tccttaaaca	780
taggatgctc	catggaggtg	aaatagttca	tcctacaggg	aagcttggtta	aacacaggaa	840

gtacatactc	agcagctcta	gtaagtgagt	gaaactgact	ggaggcacta	ggtccctcct	900
tccctacgca	tatagaagct	gtaaggattg	ggaagagata	ctgtcaggtc	agctcagctg	960
ctgcccggaa	gaagctcaga	cccactggcc	tggctccaag	nnnnnnnnnn	nnnnnnnnnn	1020
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	1080
nnnnnnnnnn	nnnnnnnnnn	atcactcttt	actcaggcca	cctacacgct	gtttatagcc	1140
tgcctttgtc	tctttggcta	tacttcctgt	ttatgtctat	gcctcccctc	tttctttttc	1200
tttctcttct	cttctcatct	catctcatct	ttcttcaggg	gggagcctgg	tctagaactc	1260
acaaagattt	gactgtctct	gtctccctgc	actaattaaa	aaatctttta	caagcatctt	1320
ttagcaattc	ttacagggaa	attttggaat	gttaaactct	gattgttagc	gggctgaaga	1380
taacaatagc	tctgatgata	aattgcttgc	caggcaagtg	tgaaaatctg	agtttgatcc	1440
aaaaagccgg	gtacagaggc	caaagagtcc	ataatcctag	taggggcagg	aatcagggat	1500
gggtgggtcc	ctgggggttc	ctgggttgtc	agcgtagccc	aattgggaat	agccagggtt	1560
cagtgaacga	tgctttctgc	aagctgagag	aggtccttgt	tcaatctctg	tgacccaact	1620
ggaggggagaa	gagagccagc	tctccagaag	tggctcctctc	aactttgtgc	atgcatgtcc	1680
atgttcacac	agggaaatgga	taatgcttaa	aaggaagacc	ggcagggggg	tggtaatgca	1740
cctcctttgg	tgacatgctt	tctcttgtt	catgctgtct	caggtgtggg	cggcagcacc	1800
aaaaaccagg	tgtatgtttg	taatcccgat	attctctggg	cgtcagtagg	aatgaaaag	1860
cgaggtcata	ttcgtataga	gttagcaaac	tctaagccag	cctcggctac	atgagacttt	1920
gtctcaaaac	aaaggaaaaa	tcaaggagga	cggctcccga	gcactgtcac	ctgaagctga	1980
cctctggcct	ccacatgcat	gtgcgcaaac	acatgtcctg	cacaaacaca	cagacacccg	2040
catctgctcc	ccgacaaaag	aacctgaaac	cagtatactt	tgagaatttc	ccattcatag	2100
ttaccattgt	gtgttctctg	tgnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	2160
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	2220
nnnggtgggtc	ctttctctta	cccagtctag	aagggctgga	ggcaggggtg	atggggcact	2280
ttgaactccc	acctaggcaa	aaaaccaggt	gatctctggg	ccagtgtgtt	gtttgcaagg	2340
gaataaggta	gagagccgcg	gaggaagaca	ttgggggttc	tatgagtatg	tgaaggggtg	2400
cacacaccac	acacacacat	tttttttggt	ttaaatttac	aaacattaaa	ataggctgta	2460
atgtgggtca	gtgggtagaa	aaacctgctg	tctaagcctg	gtacgagttc	aatccctgac	2520
aagctggaag	gagacaacca	accacaactg	ctagcagcca	gaagcactgc	ttgctaacac	2580
tcaagagagc	ctggagtgga	agacactgga	tccccagcag	gcaagcctgc	agaagatgt	2640
gccttgccct	gacaacggca	gaacaaacct	caaggctggc	agagctgtcc	aggactgttc	2700
atattaatca	tgtatagata	agaggggaatg	gcacagacag	aacaattcaa	cacacggggg	2760
atgaaaggaa	aggaacaagg	cacacaaagg	acaaagaacc	tagcatacaa	gaaagcctaa	2820
gcagagagtg	gcacttccca	gaagggagtc	ataaaataga	ctgaattcat	taaaacaaga	2880
gccaaagata	aacgggtcaa	aaaactcacg	gaaaacaggt	caaaataacg	tcacccatct	2940
gacagttgat	actgtcaact	taaccgtatc	tagaactcca	gcaggcacat	ctccaggcat	3000
gcccctgaag	gggtcttttg	actagggttaa	ctgacgtggg	agtgcacca	tctatggacc	3060
gaagcctcag	acagaataaa	aaggagccag	tgagctgagc	gtcagtgtct	attgcttctg	3120
gcttctgtgc	tgtggctgca	gcgagacacg	gtgcttctgt	ctttagctgc	catgacagac	3180
cacacctca	aaccgtgaac	caaaataaacc	tctctcttac	attgctttta	ccaggcatct	3240
ggtcacacca	atgagaagg	ttaactaata	cagcactcaa	tacttaaaaa	cataaacacc	3300
aaccttggtt	gcattgtgtga	gactttgaag	ctcacggggc	agttatgccc	aatgccagggt	3360
ctgctggcta	aggggtgagag	tgcacaccta	taatcccagc	tgctgtggaa	tcagcaaaag	3420
cgctacagat	ggaaggcagc	cagggcagct	gagactgact	caaactgata	gaggtggggg	3480
gcatagagaa	aaccagatta	atagagtgtt	cccactatg	caagaagccc	tgggttttcag	3540
gacgagagaa	ctaagaatac	agaagtctac	tgtgtagaag	cactgctagg	tcacacagaa	3600
acatcactca	agtgtctctg	gatgtctacac	ggagggcgtg	tgaagtattg	cttcctgatg	3660
atctgtatct	actacagcac	tgtgttttta	gtatgcgtct	ctccactaca	gctcctcacc	3720
acaccaannn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	3780
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnaat	taatcaaaga	3840
aaacacacac	caccagttag	agaaagttaa	tcaggccgaa	tggcggcttt	cccctgtatc	3900
caggctaccg	tcaggacggc	tcaactgccac	tggcaactct	gcctgaacaa	agcccgcagc	3960
caacgtgggc	ttcaggggct	ctaaacactg	caatcaaagg	ttgtgtgtgg	gggtgggggt	4020
gctgctgcta	ttcaaggatt	cccaaagctt	agatgtattc	atcatactca	caggaaagcg	4080
tgttcaaccc	atcactcatg	agcagtcggt	accgggggtga	cctattccct	gtagaaatgg	4140
gacggatgtt	ctggaaaagt	tgacagaaaa	gttgattcat	taggcaggct	ctttgcccac	4200
gccctgaggg	taagcaaaagc	taactggcag	gagactaggg	ttgccattaa	tctgagacaa	4260
gatgaaccac	ttgcccattc	tcttgacacc	taaataactaa	tgaaagaaca	atggattgag	4320
ctggcattat	taaaaacgat	agaaacagaa	gtatcaatag	tcatgtgttc	tttctcccat	4380
atgtcaaaac	aatgtgtaag	atggcatcga	acacatgcag	aaactgttta	gggaacatgc	4440
tgaaaatatg	aagtaaaatt	aaaattggaa	agaaagacaa	tttgccctaaa	gcagctcaga	4500
gctgggagaag	ggaccgaggc	agagataaca	gcaacgtgtg	gacatacggg	tctggggcag	4560

agcagtcacg	gactcagccg	gaaaggggtg	ggcagcctct	gaaggaagtt	aaggtaaata	4620
gagccacaag	gtgattggcc	caggagtggg	gccaccttca	cctcctgcct	caaagtctga	4680
aggaatgatc	ctggagtcct	ccatctattg	atatatgaaa	ttcacagtat	gttttagaac	4740
ccactgaatg	atgggtagat	taactaaaaa	aaattttaagc	gggggtggg	aggtctttta	4800
atcccagcac	ttgggaggca	gaggcaggtg	gatctctgtg	agttcgaggc	cagcctgggt	4860
ccaggacagc	cagagataca	tagagaaacc	ctgactcgaa	aaaacaaaat	taaaagctca	4920
tcaaaacaac	aacaacaaca	aaaaaaaaca	aaaaacaaaa	caaaacaaca	aaacacccta	4980
tagtacctgt	tggtgagttt	gagtgagtga	gtgagtytgt	gttagagaga	ggggcgggga	5040
aagtgtgttc	tggaaatggg	agaaagagaa	tgtgcatgtg	tgtttctggg	atgtagacaa	5100
aactacatgt	cttccatcaa	atgcaatgtt	taattatcta	tgagttgaac	catcttcatt	5160
ctgctaannn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	5220
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	5280
caaaccagta	aacaaaatcc	tgtaagataa	agcctaagac	aagacacttc	ctggggctgg	5340
ggagttgctt	agaccataag	gagttcataa	tccaggcgtg	agagcccag	ttcagggtccc	5400
tgggcttcca	agtcaggagg	agaccaagga	atcaacaagt	ctcgactttg	gtctctagtc	5460
ccatgcacac	acacgcgtgt	aaatacgtag	atgttcactc	acacacagaa	gactgcacct	5520
ggctctctca	catctcagcc	aacatataaa	gcctgcatta	tcagaacatt	ctaggttcta	5580
gtttcagtc	actcttacac	agaatggcca	tcatactccg	tctacaactt	ctcctgatct	5640
acccacgtgt	cattgcttca	gtattaacaa	aaccagaat	aaccagctgc	gtagatcctc	5700
cctgatgccc	cagtcattgt	cttactgaga	ctactaagtc	acaaggtagc	actctggatc	5760
caaaaagcaa	tatccaattg	agagttacaa	cctataagga	ggagtttacc	ttcattatag	5820
ggcactggat	tcccaatctt	taatccaacg	tcttcagcag	atttcataac	ttccaagtcc	5880
atcaaaaaca	ctactttcct	acaaagacag	acacaagtta	gaattaagaa	ctctgcagcc	5940
tttcagatga	gttactaaga	agcttacttt	agtagttgtc	tggctaaaac	tgtatccttt	6000
accaaccttt	tctcattctg	gactaacttg	agaagtatta	attcctaagt	aaatacttca	6060
cttattcttt	ccccacatct	ccaatgtttt	tgtctttaat	ttattatagg	gcaattcatt	6120
tcctatctag	ttccctgatt	aaaacagtag	accttgctgc	atgccattat	cctcatggag	6180
gcactgatac	aatttagatt	attaaataca	aaaccctaaa	acacaaaaag	atgatttttt	6240
tttaaaacaa	gatttttaaaa	aaagcatgtg	ctacgcttcc	ttctgccact	aagcctacac	6300
atggctctct	gactgaattt	ttccctctat	tctgcttcat	ctaatatgtg	cttttcaaac	6360
ctggaattga	accagggact	tattcatgct	aggcaaagtc	tctaccatag	agctataccc	6420
ctccaactcc	catctcaaat	atcatttcca	agacattttt	cttgggtctct	tatttagatc	6480
aggtttcttt	gtcctcctgc	agctatgact	tcattccttc	agaacactcg	tcttagcttt	6540
aagttctgta	ttaattagtg	attgttttca	ttctctctgc	tagaatgcac	tttcaataaa	6600
ggcaggtagc	cagccacagt	gcttaattaa	gcaacagccc	aacgatgtca	ttcactacat	6660
actgggacaa	gatgcctaac	atcatctgca	gataaagacg	aactactggg	gtcaggagac	6720
agctaagggg	tccaggggct	gggcacgctg	agtgtgagca	ctggagtcog	ggtgcccaga	6780
aacgcacata	aatgcaatat	ggatgtggca	atctacctct	aattccttct	ttaagacagt	6840
ggctctccag	agcaagctgg	ctagcaagac	aagccatctc	agtgaactct	gggcttgacc	6900
aagaccctgc	ctccagggtg	aactcccaag	caaaaggatg	atggctcaca	aatctcaggc	6960
tatcatgttc	atgtacaaa	tgtcaaccgg	catcacacac	tgcacacaca	tgaaaactgg	7020
gagaaaataa	gaagaattgc	aacaaaaaaa	tgtaatttga	ggacacataa	ttgcaggcgg	7080
ggagtggggg	gatgacagaa	ggtgaactga	gtggaccgag	ggaaagctgt	gctagcggca	7140
atgagaagaa	gggtggggca	gtctgagcaa	gggttcagca	atcaccacgc	tttactgtct	7200
gcacagcctg	gctgtagaat	gctgggcttt	atcacacaga	attattcagt	atgtgctatc	7260
tttacagtaa	agttattcta	tcaggctatg	ctacttcaat	agaacaagcc	tgaaaaagtg	7320
gtctgctgct	gagaacctga	caaagatgac	ctgttagaac	tgtctgcca	gtgtggaatt	7380
ccagcactgg	ggaccaggag	ctcgagggtc	acccagatg	cagggagtta	gaggccagtc	7440
ttggcaacat	aacatcatgc	ttcagaaatt	aaaaacaaaa	nnnnnnnnnn	nnnnnnnnnn	7500
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	7560
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	7620
taagtagat	agttgcaagc	atgaagaaag	acaaaccact	tgagcttttc	ttttgtcgta	7680
aggaggaaac	cagacagggtc	cagagagatg	gctcagagat	taagagcact	gactgctctt	7740
ccgaaggctc	tgagttcaaa	tcccagtaac	cacatgggtg	ctcacaacca	tctgtacagc	7800
tacgggtgtac	tcatatacat	taaataaata	aataaataaa	taaataaata	aatcttaaaa	7860
gaaaaaaaaa	aaaaaccta	ccaatcagcc	aggcgatggg	gacacatgtc	tttaatccca	7920
gcacttggga	ggcagagaca	ggtggatttc	tgagttcgag	gccagcctgt	tcttcagagt	7980
gagttccagg	acagccaggg	tgatacagag	aaaccctgtc	tcaaaaaaca	aacaaacaaa	8040
caaacaacaa	aacaaaaaag	gaggaagcca	gacaggatgc	actttatacg	tgaatggaat	8100
tgacaaaaga	caagttctat	aagtgtagg	gaaaggggga	ggacaacggg	ggttcatgtc	8160
tgtgggtgaa	cacgtattag	aaggctctgg	gtatcctgtt	tccgacaaac	aggcactccc	8220
aatcacacag	gccactggat	gtctcaggca	gagaaagatg	tgatagattg	actttttaac	8280

aatcacagac	tgtgtggaaa	atatttgtaa	ggttgtcatt	gtcaccagg	atagagctga	8340
tggttattca	aacgaggatg	ggacaacaga	aatgggagag	agggatgtga	gaaccatttt	8400
gaaccagggt	gatttactgc	gcacgtgtat	agggcttaca	gggagtggga	tatgtagagg	8460
aggcctatgt	tcctaacttt	ggtaatgagc	ttattacagt	tactatgcac	agcctggaag	8520
atactggaaa	aggtgcaggc	taggctagaa	aggtactaac	tgagggtttg	acagcccctt	8580
ggatgtcagg	atgcagcaag	cctacctctg	tatgtagtca	atcccttctc	aggctatggg	8640
tcctgcagat	catccgtctc	tgtatccatt	attcccagtc	catcctctga	gtggctccct	8700
cttatccagt	ttaacaaaat	gctgactyca	agctcccaag	cccagggtct	tggtctcctt	8760
actccttggt	attgtacttt	accctgtttg	cttgggatag	agtgtgccct	ttataaacat	8820
ttgtgaaagg	gggaatgaag	aagaataann	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	8880
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	8940
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9000
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9060
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9120
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9180
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9240
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9300
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9360
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9420
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9480
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9540
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9600
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9660
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9720
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9780
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9840
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9900
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	9960
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	10020
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	10080
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	10140
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	10200
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	10260
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	10320
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	10380
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	10440
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	10500
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	10560
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	10620
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	10680
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	10740
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	10800
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	10860
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	10920
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	10980
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	11040
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	11100
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	11160
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	11220
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	11280
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	11340
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	11400
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	11460
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	11520
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	11580
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	11640
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	11700
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	11760
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	11820
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	11880
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	11940
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	12000

aaactcaggc	cctgggctagg	caagctctta	ggacagtgtt	agctgtagct	tattaagt	12060
ttaagaatt	ttataagact	ctgtttttct	ttctcaggct	atgatacagc	aggaaaatac	12120
atccataaag	cccacctctg	aggctattgt	aagtaccggc	atgtgtgttt	agcataatga	12180
agatggttca	cttatagtta	attaaacatt	ggattggatg	gaagacatgt	agttttgggt	12240
acttcccaga	aacacaaatg	cacattcttn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	12300
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	12360
nnnnnnnnng	aattcagagc	tgatatgtag	tactaactcc	tactcaatga	atcctttgtt	12420
cttctattcc	ttcattacat	tactgttaat	agtggtaact	atgtaccaaa	gagtcaaaata	12480
actcttggac	catccaaggc	agaaggaagg	ctggcaaaaa	tgatatgatga	tctgggatgg	12540
gaatgtactt	cagtttgtac	aggaggccct	tggttcattc	catttctggc	aatgcataga	12600
cctgtaggat	ctcagcactg	gtgggggggtg	gggggtgagg	gtgaaggggc	gggaggttaa	12660
aggcagaata	gtcataaatt	caaagtctgg	gtcctggaaa	gaggactaaa	cgattaagag	12720
ctttagctgt	tcttctagag	aacctgggtg	gatccccagc	acatgggtgcc	tcacgactgt	12780
ccgaaactct	gattctaggg	ggatctgaaa	accctcttct	gccctctgta	gatacagaac	12840
acacatgggtg	cacatacata	catgcaaccc	aaacaaccca	tatacataaa	atattttttt	12900
ttcaaaaaga	cattcaaatt	cttctctggc	tatatagtgt	ttaccaaac	tcaaaaacaa	12960
aacaaaacaa	aacaaaacaa	agaatcatta	atgttttgcc	ttcatgtatg	tctgcccacc	13020
acggacatgc	ctggtagcca	gggagattaa	aagaagacat	tagctcccct	ggaatggaga	13080
taggtatgat	ctaccacttg	ggtgctggga	acctgggtcc	cctgcaaaaag	cagtaaactct	13140
ttttaacccc	taagctgtct	ctcccaacgc	ctaaagattc	ttgtaacaca	gcattgatga	13200
cactggcaag	catagcatgg	taatctgact	tcaggcgccg	agattttgag	cttaagtctt	13260
gattattaga	agtaacgtac	tagatttaatt	gcctggagct	tcaagcaaca	aaattaactg	13320
aagaataaaaa	ataaaaaccc	tgccagccat	gatggtaatc	ccagaacttg	agaggcagag	13380
gcaggtgatc	tctgtgtttt	gcaaggccag	ccacaatcta	catagcacgt	tcagtanann	13440
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	13500
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	13560
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	13620
agaaattcaa	agaaacaaat	gccaaataaa	tacacatatt	gtaataaaga	gataattgtc	13680
taaaaaactc	aaggctttta	atggtaagat	atcatattct	tggaatgaaa	gatctaattgt	13740
caaaatatat	caattttaatg	caattatgta	tattcaggag	atctctgggt	ggcttttgaa	13800
cttgatagca	ctctttataat	tcacatagaa	gaaaaaaaac	catgaaaact	gccaaaacatt	13860
attagaatac	tccacagatg	gtattttggc	agcacatata	tcgaagggtc	tggaagagtg	13920
ttagatcat	ccacgccttg	ctagggagag	ggcgggtgtg	tgtaggggggt	atagctgttt	13980
gggaaaataa	cctggtaatt	cctcattagt	taaatcatag	tcagaacctg	gactagcaac	14040
ttctctctaa	aatacattca	ccctcagcat	ctgcattgcc	aggaaaccac	tcctagcagg	14100
atctgtacgt	ggatcaagg	agtagcatct	gcatttaatt	gacattctcc	taaatgcttt	14160
aaattatctc	tagattactt	atagtagcca	agatgatgca	aattatgtta	cactgtatta	14220
tctggggcgt	aacaagaaaa	tgtctctact	caggttcatt	cagggtgcagt	acttcccctg	14280
aatacttctg	aatacacgga	tcaagaagcc	acagaaagag	ggctaaccat	atacaagcat	14340
atagtacact	aataaccatg	tacaaccata	tagtaacata	atattcagtg	cattactcaa	14400
aatgcaaaca	gatggaacaa	atccaacagc	ctgtaagctg	aaaaacaaga	taagcaaaat	14460
gtgctgggcc	tagaggccca	ggtctataat	tccaactaag	gtcgaaggcag	gaggatctca	14520
agttcaaggc	cagcctagac	aacttagcaa	gacctgtgtc	caaaacaaaa	agtaaagagg	14580
ctgaggatat	agctcagtat	agagcatctg	cttagcatgt	gactgacag	ccgtatcaca	14640
gaggaaaaaa	aaaaataagc	aaaatgtgat	ctgtctgcac	aacaggatat	cacagcccc	14700
taccacaggg	gaacgacaca	gtaacacaac	aaaaacttag	ccctgaaaat	actatggtaa	14760
ataaagaagt	gtcactgagg	atcaggaaat	gcatgactcc	atttacatta	tatagaaatg	14820
agaagatcag	tgagcctcta	ggactcaaga	gatttgggat	tggcagctaa	agggtactgg	14880
gtttctttat	gggggtaaga	aaacattcta	aaacttaact	tgagaatgac	tactcaacaa	14940
tgtcaagtgt	tcaaaaatca	tacttttttt	tttttttggt	ttttcaagac	agggtttctc	15000
tgtgcagtcc	tggaactcac	tctgtagacc	aggctggcct	cgaattcaga	gattcacctg	15060
cctctgcctc	ccaagtgtctg	ggattacagg	catgcgccac	cattgtccgg	ctcaaaatca	15120
tactttttaa	aattgcccag	tgactcatga	atacaatcag	aggcggggaga	ggacagtggc	15180
aaactcagga	taccagtgtc	ttttatgtct	gctgcccac	tatcaatttc	ccatagttac	15240
cagagaactt	tttggtttgt	ttcatcttat	ttgttgcttt	tggtagaatc	tcaatatagt	15300
aagatacaag	gctggcctca	tactatatag	ctgaggacga	ctttgaactt	ctaactctcc	15360
tgcttccatc	tccaagtgg	tgggattaca	gggggtgtacc	gctatgccc	gcaagcacia	15420
agccatttga	accacacccc	agccttttca	gagaaacctg	tacaagcctt	agtgccttag	15480
catattaagg	caacaaaaga	cataatgcgt	ggctaccata	gagtgtttgc	ctaccatgtg	15540
tgaggctcta	ggctaaatgt	ccagcactta	taaaaaagag	ttaaaaacac	tcatgactca	15600
aggatgacta	tgcagtcttg	tgtacaaagc	cccgcatcca	atccccagca	ccgtgcacat	15660
caggcaggct	ctgtagagga	cccagcttaa	ggctatcctt	aggtaagtta	gaggccttag	15720
atggctacat	tagatgagac	cctttctcat	aaacagaata	aataatttaa	agctcctgat	

caaacactat	gccttcccat	cacactcaga	ataaagcact	ctactggccc	tttaaggact	15780
gcccattctgg	aagagaaacc	taagttacat	tccttgcttg	tgcatatgt	gataacaaac	15840
tacttgga	tacgaaaata	cagtcttaag	cttggtcaga	aagcttcccc	agcaacatga	15900
tntcagagga	cataatgcag	aaagtggaca	aatgcaann	nnnnnnnnnn	nnnnnnnnnn	15960
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	16020
nnnnnnnnnn	nnnnnnnnnaa	tcagaggaca	tctttcagga	gttagttctt	tcctccctct	16080
atagctttca	gggatcaaac	tcaagtgtgt	actgagcgct	tatgcccagt	gcgccatcgc	16140
accaggcctg	cttctttgtt	ttttatgggt	ctgaatcaat	tagcaccatt	acaacaatgt	16200
tgacaatcag	caagtacctt	tctctacctg	gctagtaaga	gaagtaagt	cctttggtgt	16260
gtgaacgcag	tttctcttgt	gaagtgcag	gacttgatct	ttgctcacia	cgttttttag	16320
gtccttaagt	tgcttgggtt	ttatgggaaa	ggctcttggg	ttttttgaaa	agatttttact	16380
acaacttgat	ataactatta	tttttaatcc	tttaaatagt	atgacttatt	ttaacagatt	16440
aataattgaac	tgttctttca	ttcttacata	ataaatcctg	ccttaaaaaa	taatcctctt	16500
agcttccttt	ctctattttc	aaatttgttt	tatatttttg	catgattttg	aacatttata	16560
aaagtaggca	gacaacacag	tagaaccaag	tccccatata	gctgtgcaca	tagcttcaga	16620
ttattgcctg	ataataggct	ctgttttgtc	tctgttttct	cacagggatg	tggtattgtg	16680
tgtgtgtaca	catacatata	tatatgtatg	tatgtatgta	tgtatgtatg	taatgaactc	16740
cctttaacaa	aacaagtact	gggctgggaa	gacagcacag	ttagttatgt	gtttaaccgc	16800
acaagcatga	caaccagagt	tgagatcccc	accaaccgca	taaaaagctg	ggcatagtgg	16860
cattgacctg	tagccctggg	gctggatgaa	agctggggag	gcaggtagat	cggcagagct	16920
tactggcaac	aaattctgcc	agtaggtaag	ctctgggctc	agacatccta	tataggaaaa	16980
agatgaagg	cgaggcgag	cggcacacac	ctttcgtggt	agtgcctgag	aggcaggggc	17040
aggccagtct	ctgtgaccag	cagcctggcc	tacatgtcaa	gttgccaggac	agccagagcc	17100
accacctact	gagactgtct	cagaaataag	ttttttaaaa	aattgagatg	aaggagctgg	17160
taagatggct	tagaaggtaa	aggcacttat	cactaagcct	gaagccccga	gtttgaccct	17220
ggacccaca	ctgtagaacc	aactcctcca	agttcctctc	agacctccag	cagagcacaa	17280
gtgtatgcag	acacacacac	taagtaagt	aatgtaaaaa	acatgacgta	gtggcactgg	17340
cctttaaac	cagcattggg	aggaagaagc	gggtggatct	ccttgagttt	agaccagctt	17400
agcctacata	aggaatttca	aggcagccag	ggctacctag	aaagtagctg	tttatgaatg	17460
aatgaataga	aggaaggaag	aaagagagac	agacttaaaa	aatatatgct	ggagagtaac	17520
agaagaggac	accggcttgc	tggtgtcttg	acctctggct	tgtacacata	cacatgtgta	17580
gtgcatacac	ccacatacaa	ttgtactcag	acacacacaa	acatgtactc	attcatatac	17640
tgcacacctc	aacactcaga	aaatgaaaaa	acaggtacca	tttacacctc	cgtgttcggt	17700
ttccaaccac	tcatatgtat	gggttgtaaa	tgcttatatc	tgtatgtgtc	tgtatatattg	17760
tgtatacatt	caaagttgag	tcaggatcca	acgtaaactt	ggatagtagt	gggttgatgg	17820
tctggaagcc	tgctcgcagc	tgtctttttc	tcctcgtacc	ttttccctctg	tttgtttcta	17880
cgacagcagg	tcatttgtct	ctaagtgtta	gtttcccatc	ctctctcttt	tgctgatggt	17940
agcctttag	tagtcacctg	tgttctctgt	aaaatggctt	tgccgtgtta	tttcaatatg	18000
ctatcatcct	catcttgcta	tatttcattc	aatatatgta	tatatataca	gatagattaa	18060
aattatttta	attttatgct	tatgaatggt	ttgcctaagt	atattgcacc	ttgtgtgtct	18120
agtgtccaca	gaactcagaa	gaaagtgtca	catattctgg	aactggaatt	gcaggtggtt	18180
gtaagccacc	atgtgggacc	tggaaaccaa	atccaggcgc	cannnnnnnn	nnnnnnnnnn	18240
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	18300
nnnnnnnnnn	nnnnnnnnnn	nncccttggt	caaagatcct	cagtttcgac	tttgattacc	18360
cagacttcct	gtttctctca	tggaaacagtt	tccccctgag	atttactagt	ggaagaaagg	18420
cactcaaaaa	gcaggagacc	ctcgtacaaa	tgagacttcc	tagctatata	attaggccga	18480
gatgcacaca	tccacagtca	ttacccttct	tcagagcctt	tgcatgtca	agtgtatttc	18540
gcccattgtga	actttagaac	tggcttggtg	tgtttcataa	aaagtgtagt	tgggctcttg	18600
attgggattg	tgttaaattt	atagattcat	ttagggagag	ctgacaactt	tacagtatta	18660
aatgttttca	tccgcggaaa	agggtgtctt	gccacttact	tgggctttct	tttatgccct	18720
taagtaaagg	tttatagttt	tctttatata	agtcttgcac	atttctctgt	agattttatt	18780
ttgcttgtaa	ggtttccttg	gttggtattg	tgtataaaca	ttttctccca	attacatacc	18840
ataattgatg	gttaggagta	taaataaaa	gtagaatttt	aaaattgctg	tatgaatgac	18900
tgctttgcta	taattcaaca	tcttttcatt	tttatgccaa	tctacttgac	atgttttaggt	18960
taaatgatga	tatctgtaca	gagtaatcct	ctgatccagt	atttgcacat	cttactttct	19020
aacgtccata	gcatagatata	acatcttata	ctggttagta	catatatatt	taaggatttt	19080
accatagtct	tataatatgc	agcgtgcttt	ggttcaagac	agttgccctg	tggtcctcaa	19140
cattaacatt	tttttcatca	caaatacaca	ttgaccttta	tcaaattttt	aaaactatct	19200
tgagagaaat	gacctttttt	cttaatctgt	taattgtaaaa	tttttataaa	aatagttata	19260
aataatatta	gcctacatat	ttcttctgtt	ctctttttca	actcttagaa	tcagagtatg	19320
gtagtctcag	actaaaccag	gagcttccta	tctgtttctc	tggtcttaag	tcacttatat	19380
aatgtaagga	tgctgtgtat	atctgccagc	taggccttat	atacaaaaagg	cacctatcac	19440



aacctttctaa	aacagttctta	ccacttagag	accatgttca	aacatatggg	cctttgaggt	19500
aattgccaca	ttcaagctat	aatattgtta	tctaagggaa	tatcttcact	tctagcagat	19560
gcctaaaaat	atctaaaggt	aaacactggg	aattgctgtg	tttgttgatg	ctgctcttcc	19620
tcctcctcct	cctcctcttc	ctcctcttct	tcctcctcct	cttcttcctc	ctcctgcttc	19680
tccttttctt	catcctcctt	tcttttctta	tttttgaggc	atgatttcac	catgtagccc	19740
taggtaaccc	gtaacttact	atgtatgtag	accaggctag	cctctgtctc	ctgagtgtct	19800
atattaaagg	tgtgtatcac	catatccagc	aacacttgct	ttgagatggg	tagaggaaaa	19860
aaaaatatac	gtaaataaag	atggatgcca	attactaaat	tgttacttcc	agtcaaaactt	19920
tgtacctagt	ctaaggccaa	aatagggatt	ttttttctac	tttgcaagtt	ggctccatta	19980
agaggctttt	cttctcttgg	tctcactaga	taggaaggag	agagaggagg	gaaggagaga	20040
aagcggttga	ggagtgggag	gtagtgtgac	cgagaatacc	cagtaggctc	atatatttaa	20100
atatttgggc	cctagttgat	agaactgttt	agaagatta	ggaagcatgt	cttaggggct	20160
ttgaggtttc	aaaatttaat	gctagaccca	gtctttcaag	ggagggggcg	gtctgtctct	20220
ctctgcctgc	tgcattgcaga	gctctcagct	actactctag	tgtcaagcct	gtgtgcttcc	20280
tgcctcaatg	atcataaatt	aactgtaagc	aagcctccaa	ttaaatgctt	tcttttatag	20340
ttaccgtgat	catgggtgtct	cttcacagaa	atagtaacct	gtgggtgattt	taatatgcct	20400
ggaccaggga	gtggcacttt	taggaggaat	ggccttggtta	agaggaagtg	tgtctctgtg	20460
ggggtgggca	atgagaccct	cgtcctaacc	atgtgagaac	cactcttctc	ctattggcct	20520
tcagatgaag	atgtagaact	ctcagatcca	cctgcaccat	gtctgcctgg	aagctgcctt	20580
tgttcccacc	ttgctgcccc	aattaaatgt	tgtacttata	agaattgttt	ttggggggct	20640
ggagagatgg	ctcagcagtt	aagagtactg	actgctcttc	cagaggctcct	gagttcaatt	20700
cccagcaacc	acatgggtggc	tcacaacctt	ctgttaatggg	atctgatgcc	accttctggt	20760
gtgtcagaag	acaggacagt	ataccacacat	acattaaata	aataaaataa	taaaataaata	20820
aattcttttt	aaaaaagaat	tgttttggtc	atgggtgtctg	ttcacagcag	taaaacccta	20880
acataaccct	gactaagaca	acaagtgagg	aaagggtgtg	tgtgacactc	tggatctctg	20940
gaagctcacc	tcagcatgaa	gcttgctcgaa	gcgnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	21000
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	21060
nnnnnnnnnn	nnnatctaag	tacactgtac	tgtcttcaga	cacaccagaa	gagggtgtca	21120
gatctcatga	cagagggtgt	gaactcagac	ctttggaaga	gcaatcagtg	ctcttaactg	21180
ctgagcatct	ctccagccca	aaataattct	tactagtaac	atggaacaat	caagttttat	21240
tatatgatac	acttataatca	acttataagt	acatgattat	gcacatttat	catatcgtgc	21300
aaccatcact	gctgtcgttt	tgttttgttt	tgttcttttg	aggcccgggt	tctgtgttgt	21360
tctggaactc	actctgtaga	ccaggctggg	cttgaactca	atgatctgcc	tgcctctgcc	21420
tcccaagtgc	tgaaaacaaa	tgtgtgcacc	accacctctg	gctatcactg	ctgtcttttt	21480
ttttttttta	acagttattt	atttcgtgca	tgcattgtgtg	tataagcatg	taacgtatgc	21540
catggtatgc	atgtggagggt	cagaggacaa	ctttcaggag	ttagttcttt	cctcccactg	21600
tgggttctag	gaaccaagct	cagggttggt	gacttgcattg	gcaagtgcct	ttaccacaga	21660
gccatcctgc	tggccctact	ataggctcct	atataaaaaag	atcatatgcc	gggcaaaaaac	21720
caaacaacaaa	ataaacctca	aaaaacaaaa	ggaccatata	atattgtggg	ggagtggatg	21780
aagtccgtgaa	cgaattgtgt	ctggtgacct	gtctgtactt	cagaccctatg	ggaattggca	21840
aagccttcct	ctggctcctgt	gaggatgctg	atagtctgtc	taaaaactag	agatcacagc	21900
tttctcctct	ggatgactgt	aaccccagat	tgttctctct	cagagactgt	ccaccaagct	21960
accctgccta	cttaagctgt	acacaatgaa	tgagctgagt	ttccagggtta	cagcacagta	22020
gacactgtcc	atcagtgaga	gcacagccta	gcctaacagt	acacatgtct	gctttcttca	22080
cgtttccaga	accaagcctt	gctggataga	gcatatttgt	ctgtttgggt	tatttcaactt	22140
gataaaaagt	tttcaaggag	ggccagggtgt	ggtggcacac	gccttttagtc	ccagcactcg	22200
ggaggcagag	gcaggcaaat	ttctgagttc	gatgccagcc	tggctctacaa	agtgagttcc	22260
aggacagcca	gggctatata	gagaaaccct	gtctcaaaaa	acaaaaaaaa	acaaaaacaa	22320
aacaaaacaaa	caaaacaaca	aaaagccaaa	aatccaacc	cccccaaaaa	aaaaacccaaa	22380
ccaaaaacca	aaaaacaaca	acaacaaaaa	gtttttgagg	tttaatttat	tgcattgtcac	22440
agaatttcac	tgttttaaaaa	aatggctgaa	taatatttca	ctatccattc	acgtatttgt	22500
aggcattcat	gtgtgtagtgt	gtttaaataa	aaatagcccc	cataggcttc	tacagttgaa	22560
tgcttagtca	ttgagttagca	gtactagaga	gggaattgaa	ggtgtggcct	tattggagta	22620
ggagtggcct	tgttgcagga	attgtgtcac	tttgagggtcc	cagcaacaag	gttgctctga	22680
tcacatccaa	agacattcta	ggtctatgtg	atctggctgg	aattcagaca	tgcccttaat	22740
acacaccttt	aatcccaaac	aatgaaggta	aagttagttt	ataaaaaaga	gcacccatgt	22800
ttgaaagtga	cgttttaatta	agagtgatga	attagagaaa	gatctgctgt	cacagagcag	22860
agaggaaagat	gaggcagcat	aagagggagc	atggcagagg	gagagggagg	aggggttttc	22920
accagggcag	ttgtacagag	acagggttgag	gagctagaac	aggtgaagac	agaacaagcc	22980
agagaatgag	aaggagccag	gagattagga	cagattgcca	atgttaatag	gctaagcaga	23040
gcatttttagt	cagaaactga	gagaagtcaa	attgaatcag	ttagcttgga	aaggagtttg	23100
agcagcaaca	gctgagttaa	actagccaac	agaatccaga	aagaactaga	aaagatgagc	23160

ttactcagca	gcaaatctca	gaggctaaaa	acatccttaga	cctagattag	actgcatgga	23220
ggctagacgc	ttccagggct	aggcctaggt	tagcagacgc	agagagtaat	aagccttgga	23280
gacaacagtt	aatacagaag	actatgtaca	gacatggata	tgaacctctc	agccacttct	23340
ccagcgtcat	gcctgtctgc	attgttagga	gtcatctagg	aaaggctaag	ggcaggcaag	23400
caacttttcc	agagatggtc	cactgttttt	tgcattggctt	ttgagaggcg	agctctgaga	23460
gggaagggttc	caagagactt	catcccagga	ttgctgctta	attacgacat	gccttttctt	23520
gtcactgtta	tttagtataa	tgactcctga	gcttttagccc	atcctattgg	gcataatttcc	23580
tgcagatcaa	cataaagatg	aacttttcaca	aattaatgct	gttttagatga	ataaatgatt	23640
ttataaaatt	cctgatttga	tttaaataat	tttaggaaga	aagcttttagg	agatagttta	23700
gttggtttgc	cagaaagatg	taataacgtc	agaatcaaga	atagaatgtg	gctgggcagt	23760
ggtggcagat	gcctttaatc	ctagcacttc	ggaggcagag	ataggcggat	ttctgagttc	23820
gaggacagcc	tgggtctacag	agtgagttcc	aggacagcca	gggctacaca	gagaaacctc	23880
gtcttgaaaa	acaaaacaaa	aagaaaagta	agttaaaggct	gcataataaa	gaatacaaatg	23940
agcttttcaca	actacaccaa	aaagagacat	gcttgggaca	aattttgtgat	caaggaaaaaa	24000
tattcattct	agatcaggtc	caaggatgaa	gccacaagtg	tgtgatatga	tgaacaagac	24060
catggataaa	ctgttggttt	gagcttaaag	aataaaaacac	tgctttgaaa	ttaactatca	24120
acattctact	gtaactttcc	tttttataaa	ttttatctat	gagataattt	tctaaagaac	24180
ttgtgtctat	aaaggatatag	aaggacagag	agaaagaaat	aagggtgtggc	atctgggctc	24240
tgctccatcc	acccaaataa	atatgtgtgt	gtgtgtatgt	atgtatgtat	gtttatctat	24300
atgtatgtat	atacatacat	gtgtaggtag	gtatatgtgt	atgtatataa	gtatgcata	24360
acacttggga	agttgatgag	acaagtgaga	ggttgggccc	cnnnnnnnnn	nnnnnnnnnn	24420
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	24480
nnnnnnnnnn	nnnnnnnnnn	nngaattcac	tctgtaaacc	atgctggcct	tgaactcaga	24540
gaaccgtgtg	cctctgcctc	taaagtgtcg	ggattaaagc	atgtaccacc	acaaccagc	24600
tagtttaaat	gtttcttatt	ttttgtttta	tgggtctttt	acctgtatgt	atgtgtgtgc	24660
accatgtgga	tgcattggtc	ccttagagtc	cagaagaggg	tatcagatcc	cctggaaactg	24720
gagtgacaga	gggttggtgag	ctgggacttg	aacctaggac	ttctaaaaga	gcagcagggtg	24780
ctcttaatat	ctgagcctta	tctccaggcc	gtcccatgga	tttggggggc	tttgtttcat	24840
tttattttgt	tttgagacag	ggtgtgtagc	tcatgcttga	atttactatg	aagccctgac	24900
tcccctcaaa	gtaaagatcc	tctgctctct	gtctacagct	gctaggattc	gaggtcattgt	24960
accacatgct	cagcacagcc	atgattcata	acaataaaaa	aagaaagaga	gacctaaatg	25020
gccttagaga	taaataaatt	atTTTTTTTT	taaagattta	tttatttatt	tattacatgt	25080
aatgcacact	gtagctgtct	tcagaccccc	cagaagaggg	agtcagatct	cattacagat	25140
ggttggtgagc	caccatgtgg	ttgctgggat	ttgaacttcg	gaccttcgga	agagcagtcg	25200
ggtgctctta	cccactgagc	catctcacca	gccccgagat	aaataaatta	taatgtatgc	25260
gtaagggtggg	atcatctcag	tctccgggaa	tcttgctgtg	tactccttcg	ctctcccttc	25320
tattcatgct	tgggtaactg	gccctggctg	attgatgaga	gctgatttcc	ccactgccct	25380
gtggcagggga	ccactgcgcc	cacagggtc	cctcaggatc	ctcagtacag	agctgcacag	25440
ctgggtggaa	gtagagggtc	gcataataaa	cacgatctca	actttatttc	tttaataaaa	25500
aatTTTtatt	aaattttata	cagctctata	taaacgaagg	aactattgaa	gggtcagcaa	25560
ggacctgcca	acggttgtca	agggtaatgg	cgatgtagt	attttttttc	ccccctccat	25620
tttacttcca	tactttctac	attaccccc	aactggcaag	tattatttta	aaatgaaagt	25680
aaatagtac	agatgacttt	gaaggaaaa	tgaatcggt	aaaagaaagc	tgagagacca	25740
cccgggaagc	ccaggctaaa	tgtaatctgg	gtcaggcctc	ccaggcctgg	ggtctcaaga	25800
tggtcagctg	agggaccctg	gtgaccctct	tgggccagca	gggacgggga	ggagccggaa	25860
gctgagtacc	caaagtgtct	ctctgggctc	caagggcctg	cacagagact	gtgtgggaat	25920
caaaggatac	aggcatgagg	actgaggcct	gacgaaccca	gctatcattc	gtcctagaac	25980
aggaggcaga	gtcceaagag	tccaaccaag	aggcaggaag	ctttgggacc	cgagatgggc	26040
gatgggatta	gaaaggcatg	tttgcaaata	ctttcaaatt	tacgatgcac	actcactgga	26100
aacccacccc	ctgggtgtcc	cttccctgcc	tcttgccaca	cccaatagct	gacatcactg	26160
gagaaagtcc	caagaccagg	ctggctggag	ctcctgatag	gttccaccct	cctgcagagg	26220
gccctcgaag	actagcttgc	tcgcccacac	cgccagatgt	ctgtgtcttt	ctctcttttg	26280
cctcccaccc	tcgtctcttc	ctccaacctc	agtggagggt	cccctgcttc	ctggggaaag	26340
tagaacttgc	cagtgtctac	tgtaatgtcg	tccctgtagg	tgctatgggt	ccccattact	26400
gggagcaggt	atgcctcaga	tctccctcta	ttcgctgccc	tttcaggctg	tctcagtttc	26460
tctctgacag	ttcctctcct	cctgaatcct	gcttggtggc	atgcgaacag	gctcaatata	26520
ttccatctca	aaaaacaaa	actgggaagg	tgttgagaga	cagagagcat	gggtaatggg	26580
tgccccagct	tggctgggaa	ggggtaaact	acaatgtctc	actgccaggt	agggtagctg	26640
cagttgtcaa	atttctgtaa	atTTTctaat	agctagtaga	gaggatttta	gatgttccca	26700
atcccaacac	aaagaaatga	taaacattca	aggcgatggg	tatgctaatt	gctctgatct	26760
gatcaccgca	cattgtatac	atgtttttga	aatgtcaggc	tgtaccccat	aaatatgtac	26820
aattaccgtg	cagtgtattca	agataaaaa	tataatttta	aaaagctaaa	aacagaagga	26880

aatagctgcc	cttgaccccc	ccacccccac	aaggctccttc	ctgtttgtcc	agccacttaa	26940
tgtagagct	tctgtggtgga	gggtggtttt	ggtgtacaca	gacactcctt	cctccctcct	27000
tcccataag	aggagtcacc	cctgtcccac	gatgccatgc	agggccacat	gcggtgatatt	27060
aaccagtaag	atgtgagcag	ggatgatacc	tgtctcttat	aacaaacgga	aaaaaaacca	27120
caccaaacca	aaaacaaaca	aacaaacaaa	caaacaaaaa	caggggttgg	ctgtccctgt	27180
gtcttttccc	acataaagtt	aagcacacaa	agtagccacc	atztatttat	ttgtcccttc	27240
ccccaccct	ccccgagaca	atgtttctct	gtataacagc	cctagctgtc	ttggaactca	27300
ttttgtagac	caggctggcc	tggaactcac	agagacacag	agattcacct	gcctctgcct	27360
cccaaagtca	gggattaaaa	gcatgagcca	cgaactaacc	agtacccag	agctcttgac	27420
tctagctgca	tacgtatcaa	aagatgacct	agttggccat	cactggaaag	agaggcccat	27480
tgtagacgca	aactgtatat	gcctcagtag	aggggaacgc	cagggccaaa	aaaatgggaa	27540
tgggtgggta	gggaagtggg	ggggagggta	tggnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	27600
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	27660
nnnnnnnnnn	nnnggcagga	tctgtgttc	atgtgcaaca	ctcgatgcaa	gctgtgtagt	27720
gtttggttct	gagcacctga	aggggaccaa	gcaggtgat	gccaggcca	cgggttcttt	27780
ctggccccac	tgccactcc	cacctctg	catccccatg	atgaacatgg	ccacagatca	27840
cactactctg	ctcctctccc	agatccacgg	agccataggg	tccccagatt	catctctgca	27900
gctaacaagc	tgggcagtg	cacctccctc	aaggttcctt	tctgtctctg	agcagcagtg	27960
tctcccacag	tgagacactc	atgtccactg	gaagatattg	tagccattaa	attcctgtgc	28020
taaaataact	agggggactt	gtcaatcact	acactcttag	ccccggactt	ctgactcata	28080
gaggggtggg	acagctcagg	gacctgcatt	ctaccaata	gccatgtgtc	cctgatggag	28140
gaactgcccc	tggaacacct	ctgcagcaac	tgaacctctc	gtgggtctct	agttcttctg	28200
gacaggtgtg	accccagtac	ctagtgccag	gtgagagagt	gctagggcca	cactaagggg	28260
tgacaggaca	aggttgagc	tggtagatgt	ttgggccacc	aaagagaaca	ggtcagtagt	28320
aaaagccatc	atggcctgag	ccagcctgcg	agtctcctct	gcagttggga	cactcttgca	28380
gtgtcctggg	gacctcttga	gggtagcatg	gtcaccaaaa	tcctacaagg	acagatcaga	28440
agttagtgag	gtcaagggaa	cagctctagg	ttctctgtgt	ccctcacgga	cctttttttt	28500
tttttttttt	tttttaagat	ttatttat	attatatgta	agtacactgt	agctgtcttc	28560
agacagctcc	agaagagggc	atcagatttc	gttacggatg	gttgtgagcc	accatgtggg	28620
tgctgggatt	tgaactcagg	accttcggaa	gagcagtcgg	tgctcttaac	cactgagcca	28680
tctctccag	ccccctcag	tctgatgcg	acagggcagc	aaaggccttg	tcccagatct	28740
gaggagagtc	atctgaagt	ccttctacc	ccacctctc	cgaacctctg	aacatcagcc	28800
ccataactac	tgactcccc	acccccattc	ccttgcttcc	actgatccgg	tcctcctctt	28860
ccctctggcc	ccacccattc	ttccccagcc	ccacctgatt	gtacctgggt	gtccaacttg	28920
aagagggcag	gcaggggcag	cttctgctgg	gcctgtcac	tcactggctg	tagaaatgag	28980
aaaggagatg	aagaaaaggc	ccttcccatg	ggtcccatc	ttgccaaagc	ataggtgagt	29040
ccctttggct	cttcccccta	aacctctcac	ttttgagtac	ctgctggccc	gggagatcca	29100
cggcgctcac	cggagagaa	tggtgagaaa	agggagaaca	gagaactcag	cgttcctccc	29160
tctccaccct	tctggcctct	cccagatttg	ccccgcgcc	ccagcatctc	cctcagcttg	29220
actgaccact	tcccactcag	acctcagctc	tgcttcaccg	tgaacacagg	accttgaggg	29280
caggacaagc	tgagtagag	gagcccccg	agcagtcca	tgttcctgta	tccagaacag	29340
ggagtgttag	ttcctacctc	acgctcgaag	gccaagcagt	agactgctat	ccatgggttc	29400
cttgaccgca	ccaggctgcg	gaacctggac	tcaaaacata	gcagctgtgg	acctcactca	29460
ctctgagagg	tggtatttcc	ataagctttt	tttttcacct	gtacatttag	tcttcattct	29520
tttcgtctta	cactgtggat	cagtccctggg	ttcaaattta	aagccctcat	ccttgcaagag	29580
gaccttgccg	atctcccttc	atgcctttgg	ccttaccctg	tcttggtaat	tcatggcaga	29640
agttcttctc	gtcccatgt	agatgttgag	gacccaaata	agaatctctg	ttaaatactga	29700
gcatgatgcc	tgccccccac	cctagcaaag	ccacctgacc	tggtgttcat	ttcatccagc	29760
ctttctcagg	ctgcccgtgt	cctacccaaa	ggctctgaga	gctaactctg	gctggcaggg	29820
cagccagaaa	cttctttgtt	gaccaatgaa	tgacttgccc	agacaccttt	ggacttacgg	29880
gaactacaag	cctcatccca	cttctgtctc	aagttctgat	ccagggtgct	tcgggggaagc	29940
ccagctggcg	gaagggggga	ggctctcagc	ctagagagcc	ttcctttcca	tcctcagccc	30000
cctaccaggg	ccttatttca	ggcaccagct	cttctaaaag	gtccttctgt	tatccctaga	30060
cctccacaac	tgtgttcaag	aaccttcagc	cagggcctca	tctccaatct	ggatatatga	30120
tttttctcgc	caagagtagg	cctccaggtt	ttggagttct	agagggtttct	cctggagctg	30180
cctggacctc	tgtcctcac	caccccagga	cgctgtgaag	ctgcaggctc	cctgaataaa	30240
ttcatccaga	ccccctgcca	aggtgccagc	tgtctacttc	ctctgtctgc	caagcagcag	30300
gctgcaccac	ccctccatcc	tacctcttca	ggcttcttag	cgcagcacac	gcagcacacg	30360
gtgttctcct	ggagagctt	gtccccacg	ctccccag	gcagccagca	gggcctagct	30420
ctctcctccc	acaggacctt	tgctctcagc	caacccccgt	tcagcttgtg	ttcagtgctg	30480
gtaaatattg	acctgtacat	ccggttaa	attgatattg	gggccagaag	accctttccc	30540
atcaaggcta	cccagaacct	tgcttgagcc	tggagaagg	gtttacagga	gcagataagt	30600

gaggaggttg	ggcctggcaa	gccttcta	gatccctcaa	cataggggat	tatccacagt	30660
cagtgaggct	cagagaggct	gtgtggcctg	tgtaagggcg	cagagtgggc	tccagagtca	30720
cagccaaagt	cccaccacca	ccaccaccac	caccaccacc	accaccacca	ctaccaccac	30780
caccaccacc	accaccacca	ccaccaccac	caccaccact	accaccacca	ccaccaccac	30840
caccaccacc	accaccacca	ccaccaccac	cacctcatct	accatacta	antttaggct	30900
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	30960
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	tctatgaggg	ttacatttta	31020
gaacatctct	ccttttttcc	tttttgagac	aatcttacta	tatttaggct	ccccttgaac	31080
gtgtgatcct	tctgcctctg	cctcccaagt	gctgagggtta	caggcatgca	cagtcacatc	31140
tgctacaca	atgtcttagc	agcccttagc	agcaccaggg	gtcaggaagc	cctcaactgt	31200
cccttttagct	ggcttctctt	gtgaagggct	atgtcttctt	ccccttcccta	gcatggagac	31260
ggctcttagc	cccagagcct	tccttccttc	aggtaaaca	gcaccagttt	ttggtgggac	31320
ctcccatttc	ctctatcttc	cctaagcaac	gaccttttct	gctctgactc	tcactctggca	31380
cttggaaccac	aagacaaaac	tgcagcctgg	gctgtgtgtc	ctcgcacatc	attcctgtgc	31440
ccccctggag	tcagggtctag	gggaggaaga	cagggttcac	gactcagaaa	agaccactgg	31500
ctgtcctagt	gtgccctcac	ccatcctata	gcacgcacat	gctgatgtgc	cccctccgct	31560
ccatcaccat	cctctcatgt	acacgtgccc	tccctcgcca	gacacatgca	tcactaactt	31620
ttctgacttc	ccagaaaaat	atctgatctg	agaagttagg	agtctgccat	catcagctat	31680
ggtccttaaa	attaagtcag	acaatccatg	ggacatgaag	ggcaacaacg	agaagactcc	31740
tcgttccttg	ttcactctgc	ttttggcagc	accaccagca	ggaaccaacc	tggtctctcc	31800
taatccctca	tctatagcag	gtctcccggg	gggaatttta	gggacctctg	tgttctcatc	31860
caggggcact	gccactcagc	tgctcagggg	gagaccctct	agaacaacaa	agaaatcaat	31920
gcagatttag	gcttcttggt	tccttctcca	gcccctccca	tcacaggcaa	cagcctccct	31980
tggctgagcc	tcaggaggct	gatttatcag	agaggtgctc	agagaggcac	ctctggtccc	32040
tctgggtagg	tagcaactga	gacaggagga	gatggtcacc	ctgggcatcc	tctaccagga	32100
agtaaataag	atacccttgc	agatgggacc	cctgaagtgc	ctcccggggg	cgggggtggt	32160
ggtggtggga	gtctaagtca	cagatccttg	ttaccacgtg	gttagactga	ggactgaatc	32220
tgaggtggga	aatctgatgt	gcatggggaa	acacagaggt	ccaatgctgg	ccaagagcta	32280
caagcagggg	caggtgctag	ggggatgtct	gaatgttcca	ccccaaagca	caggaataac	32340
ggaaatggag	actctaaagg	gcagaaagtg	agggtgtgca	gcaggggctg	cacaggacac	32400
atgcaaggcc	ctggctgcaa	taactggggt	ggggaggcag	tcattggcta	gccaggggca	32460
ccaggacagt	gatgccatcc	tgtccaaagg	gcagtgtcca	agccagattt	ctagggtcca	32520
gggggaggag	gggtccggggg	gaggggtcaa	gattctcccc	ctctgagtca	aggttggcct	32580
tcccatgtgc	cccaaatacag	gaggcacaga	aactgggatg	ttgtggtctc	acatccaagc	32640
tgagaagaca	agtgggagcc	agtacatgtg	tttcagatta	aaccacgtcg	gagacaaaca	32700
tggtgtcct	cctcctccca	gagccaagct	gccttcaagc	cacatggcag	tgaatatgcg	32760
gacagtgcag	gggaggacac	ctctctctcc	actggctcaa	ggacagtttc	aaggggttca	32820
ggctggctgg	ctcatggcta	cgccgctcac	cccctggaca	gtttgggggt	tttccctcct	32880
gaaatcttgg	aatctgaatc	agcctgagat	accccataat	tgtacctccc	aacaccccca	32940
gaaaggtcag	ccctgcagaa	cagaactctt	tggtccccac	ccatccccct	cagcctggga	33000
ggctgaatag	atgggcagct	aaggtccaga	cagtggctgg	ctcttggaaa	gcctgtctct	33060
ttccttttag	tcagaccact	ccctgccgtg	gcttacctca	ggaggtgcaa	gggctgcagg	33120
agggcagcca	gaccccacaa	accagctagg	ctaaatggtg	cttattgttc	gcaagaggcc	33180
atgacctcat	ttgtctccca	gctcttttgg	taagagagaa	tgagaggaag	ctggacagag	33240
aacctagcag	gcctcaggca	gccactgct	ccttgctgta	agggaaaccag	caccgatggg	33300
tctgaaaagc	agcgatccga	atggagtcag	gctgagctgc	aggaagctca	ccttccttgc	33360
tcactgctgg	tggaagcaac	ttcaggaaga	gcccagccta	tgggactata	gctcctccgg	33420
ggtactgctg	agtccagccc	cagagcttag	ctccctgctt	cccaccaccc	accaccacat	33480
cctttcccaa	caccattcaa	aacccagtc	cagcctctcc	tactgggtcta	cagtgcagcg	33540
ctaataagagt	cctgggcctc	tgtcccccca	attctctctc	ccctctcctc	tgttcacctt	33600
ggttcctaaa	ctgcaggggc	tactataacc	ctacctccac	ttccttgca	ccctcttttc	33660
tgctctctgg	gggtccccctg	ccactcccag	tcctcttagc	cagggagcct	cttccatctc	33720
tgtcttcccc	aggctagacc	aggcgtgccc	ttacctgtgg	ttgcggcagc	ttctctcaca	33780
gcctgcactc	tgaggggctc	caggaagcag	tgaggggagt	agctgcctct	caaccagcgt	33840
ccagcaggct	tcagattaca	gctactcttt	tcttaaagtg	acctgactcc	atttgggaatc	33900
tgtgattgca	tcattgtctg	gtgttaactt	taaccactctg	ctgcccttcc	gccatgtggc	33960
tccaagacca	caggttggcc	acctcctct	cccaccacat	ctcccttggg	tctttatctc	34020
tcttcattgg	gaccttcatt	gggacatgat	ggctaacttc	aggggcactt	ggggcagcct	34080
ggggtaggct	atgagtcctga	acttgaacat	ctgaaaggat	tggctgagag	gcaggctgca	34140
tgagagact	gtgagccagc	cggtatggag	atgtggggtt	cttccaggcg	cttggctctg	34200
gctcactgca	gggtgggagca	aggtgattct	tctccctctc	tcacctggaa	aatgaaggaa	34260
tgggactgta	cctgacagct	ctgaagggttc	caaaggacag	tgggggtggg	actagagagt	34320

tggcccagtg	cttatgagca	ctggctgctc	tgcagagga	cctgagttct	gttcccagct	34380
cacatagcaa	ggactcgaaa	ctgcttgga	ctccagctcc	agagaatctg	acgctatctg	34440
ctnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	34500
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	34560
catgccttta	atcctagaac	tcaggaggca	aagcagatgg	acatctgaat	ttgaggcccg	34620
cattgtctac	atagcaagtt	ctaggctagc	caggtagatc	ataagaacct	ttctcaaaaa	34680
ataaataggg	ccagttggca	aaatttagct	tgccctccta	acacaagaac	ccaaagtcaa	34740
ccccagcaac	catgtaaaaa	gaagcaaggt	gtgggtggcac	ttgcttgtga	tccagcattg	34800
tcaaggtgga	gacagacgga	tccatggggc	tcaactggcca	gccagctagc	tggtctactt	34860
agtatgctcc	cagccagtgga	gagactgaaa	aataaataaa	taaataaggg	gtaggaaga	34920
ggtaacatgg	tggctcagtg	agaaaagata	cttgtcatca	aagcctagca	accctcaatt	34980
ttcagtgggc	actaaaggtg	gaaggagaga	accaactcca	aagaattgtc	tcctgacagt	35040
tttatgctgt	ggtacacaca	cacgcacaca	cacacttggt	acatgcata	gcatacaatt	35100
aataatttaa	aatgttatgt	gtatgggtgt	tttgcctaca	tgcatatctt	tctgtgcacc	35160
acatgtgtgc	aatgcctgtg	aaggctagaa	gaggacatca	gatccccctg	gagttacaca	35220
gggttggttag	ctaccatgtg	gattctggga	acaaaacat	gggttttcca	aaagaggctc	35280
ttaatcactg	agccatctct	ccatccccct	aatagtatat	atttctgggg	ctggagagat	35340
ggctcagagg	ttaagagtat	tgactgctct	tccagaggtt	ctgagttcaa	ttcccagcaa	35400
ccacatggtg	gctcacaacc	atctgtaata	gaatctgatg	ccctcttctg	ctgtgtctga	35460
agacagctgc	agtgtactca	tatacataaa	gtaaataaa	aaaccttttt	tttttttgtt	35520
ttgttttttt	tgttttttga	gacagggaga	cagggtttct	ctgtatagcc	ctggctgtcc	35580
tgaactctgc	tctgtagacc	aggctggcct	tgaactcaga	aatccgctcg	cctctgcctc	35640
ccaagtgcgt	ggattcaggg	tttgcgccac	cgccaccacc	tccaaggctg	ctgctgcggc	35700
caccaccacc	ccaccaccac	actacctgac	tattttaact	ttaaaggcag	ccatctcatg	35760
gaaaatgaca	cctagcattg	tcctctggtc	cctacatgac	cccattgtga	aacacatacc	35820
tgcataaaca	cacataaata	cataagtaaa	cttagtctgg	ttgttttgga	aatgtgctat	35880
ggtttggtatt	gtgtcccccc	aagggaaaaa	ttgggtccca	gagtagtact	attggaagag	35940
agtagaactg	ttagggttta	ggcctgggtg	gaagtggcca	tggctagaga	gacatgccaa	36000
ccaaggggaa	tctctggctt	catcttttcc	ctttgctttc	aggctcctaag	acagtcacaa	36060
ggctgcttca	ccacatgccc	agaagcaagg	ggagcagtc	tggctgggac	cgctaagtga	36120
gctgttgatt	tccccagata	ttttagtag	taagagacag	gtgaggaacc	ccacagcaag	36180
tgtagtaaat	tgtagtgga	ggtagcctcc	ggggacgggg	gccctcctgg	ggcaggacgt	36240
tcctcttctc	catccacctg	cactccgaga	acaggaaatg	gtgactttgg	cagagcttaa	36300
gcagagcccg	ttcatgttac	aagtatgtaa	attcataagg	accagtttct	ctccatata	36360
aacagcttca	aacaggagaa	ggaagaagca	aacattaagg	aaaagctctt	ttattgcaga	36420
ggctacactg	aagctaccgg	ccgccttctc	ggaatgtata	atcagcttcc	ctctgggggt	36480
tctgtagagc	actgagacat	taagtactac	tgggggtccag	gattctgcct	atgaagagga	36540
gggcccccg	gtccgtgtcc	ctcagaacaa	agaggaaagg	ttgggttaagg	tgatagtcta	36600
gcgggaaggt	gaggcggacg	ggctggaggc	ctgggctggg	gctgcttctc	gccccctctt	36660
cattccactc	gaaagcagcc	ctgtgttcca	cttgggtgag	cttcacgggt	ttgccagtaa	36720
tcttgctgaa	gtcgggtgat	tcaaacaacg	actgtagctc	tgtggagatt	cagagattcc	36780
attaacacca	cacacacaca	cacacacaca	cacacacaca	cactccctgt	ttgtgtaggc	36840
tgattttcaa	gaaagcaagc	tagaagtgga	gtacctcaca	gtgacttgtg	agctatgagg	36900
cactctgtga	caggctcagt	gacctacctg	agaacttata	gccaagatgg	ctgaagccag	36960
acctggcctg	agagaatgtt	ttgggctgtt	ataggacaca	tagagataca	cacacacaca	37020
acacacacac	acaccaagga	ctgagtctaa	tgggaggtgg	ttcttcatte	ccctccccctg	37080
taatggtgtc	acatgttccc	tgagccaccc	tacaaagaaa	gccacaggac	tcagttctgt	37140
cagcaaggtg	gcaggctcca	agactcagcc	ccgagcgcaa	agtggccttg	caaacatact	37200
catgtcctgc	agagacttgg	taagttcgcc	ttcgaagctc	agcttcagct	tggggacagt	37260
cagcacagct	tggatagtct	tcagttctcg	gtcagatgtc	tgaatgaact	cagagggtgag	37320
gctctcttct	atcatggtca	agttctgggt	cacggctcagg	ggcaggaaga	agatgatgct	37380
catacttctc	gtcaagggca	gctgggcaat	ctaaccacac	agagatgcgc	acagggttagt	37440
tgtgagccag	aaaaaacaaa	acaaacaaac	aaaaaacac	caacagctgc	cttccccctct	37500
gctgtaacgg	ggccccagcc	ttgtgctccc	cagcctcagc	ctgggctgta	ggctactggt	37560
tactggcagt	ccttccatga	gtagggagtt	ttcttctcag	cctaaaaccc	acagaagttt	37620
aatgaacaca	cgtttgtttg	tggttccgct	acggtttcta	ttgtgataaa	acatgactga	37680
aagcaacttg	gagaggaaa	ggtttatttc	atctgacaat	tgcaggggtg	tcttctcatc	37740
actaagggtg	ctcagggcag	gaactgaagc	ggaagcgtg	gaggaacgct	gcttctgggc	37800
ttgctccccg	tggcttctta	gcctgctttt	ttatgtatc	cagaaccact	tgcccaggag	37860
tgacactgcc	cattgtgggc	tgggcccccc	cacatcaatc	actaatctag	aaaatgacct	37920
acgggtttgc	ccagaggcca	gtctgggtgg	ggcattttat	caattgagtt	tcacccttcc	37980
aaatgactct	aacttgtgtc	aagttgacca	cacgaatcag	ggcctgggtc	ttaggagctg	38040

aagtggaatg	tccccagag	actgcctgcc	agcactgctg	accatttgc	ttgtatagag	38100
cattgaacca	gaaatgaaca	ataaaatgga	tcctttgaac	agatgtgttg	atcctagggc	38160
ctgtggacac	agcgactggg	cttcccagag	cccccatgga	atcannnnnn	nnnnnnnnnn	38220
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	38280
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	38340
gagagagaga	gagagagaga	ggataaaagg	ttagcccagt	ggtggtggca	cataccttta	38400
attccaacac	ttgagaggca	gaggcagggg	gagctctgtg	ggccagtttg	gtttacagag	38460
taagtttcag	aatagccagg	gctacacaga	gaaaccctgt	cttgaagaga	aacacacaca	38520
cacacacaca	cacacacaca	cacacacaaa	taagatcttt	aagaagaaaa	gaaaggatag	38580
tggggaaaca	tctgagcaga	ggaagaaaatg	gggtgctcag	gacaccacc	ctcagaggag	38640
gccctcactg	gaggtgtctg	cacaggagaa	cacttgcact	cagcttgccc	tagggcgctca	38700
gaactcagaa	ttcagtttca	aagcactgac	aggagcagt	actggggacc	ccaggttgaa	38760
tccccctttt	atctaaaatg	agtaagaacc	aaaaaaacaa	aagtgtttgg	gattttggaat	38820
ctgggttatt	tgcactctaca	aaagaggtct	tggggaggaa	accagttct	acccttgga	38880
ttcatcagtt	tcctataccg	ctgactacac	aggggctgaa	ggtaatctca	atgttttcat	38940
aactggtgtg	gtgctacttg	ctcatgatcc	caacacttgg	aaggtaggtc	agaagttcaa	39000
gagcagctct	gactactcag	tgaatttgag	gctagcctgg	gctacatgaa	aactcataaa	39060
acaataaaaag	aaaagaaaag	gtggcgagtg	aggtggccca	tcaggtaaaa	gtgccaacca	39120
cctcgccctga	aagcctccac	acggaagggg	aaagccagct	tctacatgtg	gtcctctgcc	39180
ctccgcatgc	accatggctc	gtgcaccccc	acaccaccac	accacccac	ccacatgaca	39240
taaatacttg	taatgattag	tttctgaaga	acaatttttt	cggttgatctt	gttttagggaa	39300
caaagttctgt	gcacattgac	ctgtcgaccg	tgtagtacgg	gatccgctcc	aggaagctaa	39360
agatttttggg	atgcttcatg	ttgcagctac	tctgatgaac	agtgttgctt	tctgggccag	39420
gtaatggtgg	catatacctt	tgatcccagc	acttgggagg	cagaagcatg	tagatctctg	39480
tgagttcgag	atcagcctgg	tctacagagt	gagttccagg	atatccaagg	ctatacagaa	39540
aaaccctgt	ctctaaaaat	cactaattta	aaaaaaaatt	cctttctaaa	cctatatatac	39600
aaatgttttg	taggctgcct	taacaaagcc	caatggccat	tcagagaagg	ctcaaaagag	39660
aaagtttagg	ggactctaca	agcatcctca	ggaaggccac	agaaagcaga	gcctgggccca	39720
gtgagacttt	gcagtgggca	aggttcagct	ctttatgtag	gaagaagaga	gtcaacagtc	39780
agagtccagc	tttccataaa	acctgtgcag	ggcctctagg	caaagccctg	tgttaggggc	39840
aaaggcattt	gcagcttaag	cccggtgaca	tgagctcaat	ccttgggaacc	caggtggaag	39900
gagtgtgctg	actccacaaa	tttgtcctct	gatctataca	tgtatgcacg	tgcacgcaca	39960
ctcacataca	tgtccacatg	cacacatgca	tatacatgcg	catgcgtgca	cccacacaca	40020
gggtcaaaaag	cagcaagaga	tgccctgtga	aaaacgtctc	attcagtcctc	ccatcatcca	40080
gtgccacact	ctgagcacag	gtggtactga	tatcgttcct	gattgatcga	tcagttgatt	40140
tgagaccccc	cctcactatg	tagcccaggc	tggcctggaa	ctcacagtga	tcctcttgct	40200
tctgcaagat	gagcccatca	tgcccaccat	gttattgaag	caataccatg	ctctataaaag	40260
caaacctagg	caggcaggat	ggtggactcc	tgtaatctca	ggacttgaaa	agtagaaggg	40320
agatgaggag	ttcacatcaa	tctcccgtat	gcgttggagg	ctggagtggc	tgttccctgg	40380
gcgcttctgc	cagcacctga	ccaatgcaga	tgcagatgct	cacagccaac	catcacagt	40440
agctcgggac	cccagtggag	gtgctggggg	gaggactgga	ggagctgaga	cgggattgca	40500
agcccatagg	aagaacaatg	tcagctggcc	aaaccaccca	gagctcccag	ggactagacc	40560
acgaaccgag	gactgcacat	gaagggatcc	atggctccag	atgcatatgc	agcagaggac	40620
agccttgtct	gacagcatgg	gaggggaggc	cattggctct	gtggagggtt	gatgccccag	40680
tgttgaggga	tgctggagcg	gtggggcagg	agtgggtggg	taggtggggg	gcaccttcat	40740
agaggcaaaa	gggatggggg	agaaggcaga	tgggatgggg	gggttgtgga	ggggtaagaa	40800
agaaaaaaga	tgtctctgaa	agtaaaaagt	acttgtcact	aagcatgagg	atatgagtca	40860
acccccaaagc	cccacagggt	ggaaggagag	aaatgagtcc	cacaagttat	tttctgatct	40920
atacgtgcaa	tccatggcat	acgcagaaac	gcaaagacag	acaatgagtt	gggtgtgggtg	40980
gtgcacatgt	aattccatca	ttcaggagac	agaagcagca	gagttgttgg	aaatctaagg	41040
ccaacctaaa	gacctacacc	caaagaagga	caaactataa	ggaaaaaggt	ggtcgaccaa	41100
tgtaacatta	aagttagaaa	tctctcttca	cactgtgtag	atactgtaca	aggaagagaa	41160
aaggcagcca	catcaaaaca	gtgtaaataca	acgagaaaac	cagaaacaac	tcaagagaag	41220
gctgcagggg	cctgaattct	gttctcagaa	cctgcatcaa	gccaaagagaa	tcaaaactgt	41280
ctgtaactcc	agctccctgg	gatccaacac	ccatttcttg	cctccatcag	catcactcac	41340
aggtgtgcac	acatacacat	caataaaaaat	caaaaccagg	gatgaagggg	tagggagggtg	41400
catgtggatc	tgggaggagc	tgagaggcac	tgggtgaata	caataaaaaa	tttgggtgat	41460
ggtggtgcac	gcctttaatc	ccagcacttg	ggaggcagag	gcaggcgaa	ttctgagttc	41520
aagaccagcc	tggctacacg	agttagttcc	aggacagcca	ggctctacaca	gagaaaccct	41580
gtctcaaaaa	aacaaaacag	ccgggcgggtg	gtggcacacg	cctttaatcc	cagcacttgg	41640
gaggcagagg	caggtggatt	tctgagttcg	aggccagcct	ggtctacaaa	gtgagttcca	41700
ggacagccag	ggctacacag	agaaaccctg	tcttgaaata	aataagcatt	tgttgctggt	41760



acagaaaact	ccagcccagt	ttccagcaca	cacagggtga	ctcacaacat	cataactcca	41820
cttccagggg	atccaatgcc	ttcttctgac	ctctgtgggc	accaggattg	catacagtg	41880
acagacatgc	acataggcaa	aacactcaca	aaataaaaata	aatctagcaa	aaaaaatttt	41940
aactaataat	ttaaagaaaa	aaataaggaa	gccgggggtg	gtgtcgcacg	cctttaatcc	42000
tagcacttgg	gagacagagg	caggcggatt	tctgagttcg	aggccagcct	ggtctacaaa	42060
agtgagttcc	aggacagcca	gggctacaca	gagaaaccct	gtcttgaaat	aaataaataa	42120
ataaaaaata	aggccaagta	attcttgtaa	gaatcccaag	gggacactaa	gtgtatatata	42180
aggcgttcca	tagggctagg	aatgaggcct	agcgagagca	acttcgctgg	tgtatgaaag	42240
tccctcagct	gcatgtggta	cctttaatct	aggctctccc	gaagcagagg	cagaaggatt	42300
tctgtgagtt	caaggccagc	ctgggtgtaca	tagctaagttc	caggacagaa	agggcgatat	42360
aatagaaaca	tcntacctag	agcccngcc	aanaaggggg	agacctgaga	ccagagagat	42420
gactcagtg	ctaagagcat	tgactgctct	tccagaagtc	ntgagttcaa	ttcccagcta	42480
aaaattttatt	taaatgttta	ttacttgtat	tattatttaa	atttaaataa	ataagtaaata	42540
gggagcctag	gtttgagtc	ccaaatcacc	aagaaaaaat	gttatcattg	ctaataatca	42600
aattaagagc	ataagaactt	ccttttaaa	aattcttatt	tattttatgt	atgtaagaac	42660
actgtagctg	tcttcagaca	caccagaaga	gggcattgga	tcccattaca	gatggttgtg	42720
agccaccatg	tagttgctgg	gaattgacct	caggacctct	agaagagcag	tctgtgctct	42780
taagtactga	gccatctcta	cagctcttat	caggttgata	aaatttaatc	tcgtaggagc	42840
ctgagaccaa	gaactaaagc	tgggagattg	aaaaatgcag	accaccaagg	ccctgctcat	42900
ttctccagtt	ctgatcagct	cccgtaccag	gggtctaacc	aggcctgtgt	ctgcttccct	42960
gagtagacca	gaggccccat	ctaaacagcc	tgctgcagc	agctcctctc	tctaggtgga	43020
cagatgggaa	tttcagacca	atgtcatttc	caggagcatc	aacacagcag	ccaaatttat	43080
tgggtgctgtg	gctgccacag	ttggtgtggc	aggatcaggg	gctggcattg	gcacagtgtc	43140
tgattattgg	ctatgccagg	aaccagtctc	tcaagcagca	gctcttctcc	tatgccatgc	43200
tggggtttgc	cctgtctgag	gccatgggac	tcttctgttt	gatggtcgcc	ttcctcatcc	43260
tcttcgccat	gtgaggctcc	ctggggtcac	ccagccgtcc	ctgctgcctt	gactccatgc	43320
cagtcctggg	gctggagctt	actgagattt	accattaaac	agcaacgttt	ctctaaaata	43380
ctattaatta	attaattaat	cacgtgacaa	ccccagcgtc	catatgggtg	tggaaaatga	43440
ggaactctac	ccatcataca	tggcgactat	gaagaacaat	gtgacagaaa	atgctaacat	43500
catgtgtgac	cgcatgcac	agccctgact	gctaaaagt	gacaagccc	agcgaaagc	43560
ccaatgttct	acttctaata	gcatgcacca	aacgcctccc	acaggaccag	aggcgagcgt	43620
ctgatagggt	ccttgccctg	catgcatgaa	gctgtggaca	cgaggcatta	ttcgcaagaa	43680
cattctagct	gtctggagg	ccctcaatcc	actgtgttcg	cgctgttcca	gcaccagtgc	43740
ctcctggggc	tgcacctgaa	aaaggggact	gcttaagagg	gctcctacca	agcctactgc	43800
cacagatgca	tgatgggaaa	gccttctgga	agcaactggc	tgccaaaggc	tctggacaag	43860
agatcaccct	ctactggaaa	ggtaggttca	gtctaggttc	tgtgggattc	caggaaaatta	43920
gacaacactg	gcagtccaac	agacagacga	tctaaacttc	caaggcacag	ctggtagaac	43980
ttgctgcgga	accagacaac	aaggtagcag	ctactcccat	acaacataca	aaaaagcaga	44040
gagagagtca	gagacagaga	cacacagaga	gagacagaga	gagagtctaa	agagagtcag	44100
ggctcaggga	ctgagggtat	agtctactgt	agagcatttc	cccagcatat	acaagaccct	44160
ggattcaatc	tgaacacagg	aaaaaaaggg	gggggggact	tcgattatct	caaattctcc	44220
tttttgtgac	acacccctaa	agtcactgcc	tacttccctc	accgccatga	agtaaagagc	44280
tgtttgcgct	tatgtctaca	cagtctcggc	tcccacttcc	tcttccccctc	tgcttctgtg	44340
ctcatctcct	ctgaaaccac	tgcagcaagt	gacttgtgtt	gactgccaca	cggaaactct	44400
cctcagtagc	aggcagcaga	gcagagctct	gtcttctcgg	agcttcttct	ctcttgtcgc	44460
cattttctcc	cacccttaag	taccctatct	tctctgtctc	tgcttgttga	tccttggaac	44520
cttttccctt	ctatgaacaa	aatatctcct	taaaggatct	cttctagttc	aggggtcccc	44580
cgccccact	gtggagaaaa	cccagggcct	tgcacatgct	cagcaggagc	tccatccagt	44640
ctctagctcc	atgacttaaa	gcatctctgt	gctgtcaaat	atacacttcc	agcccttacc	44700
aaaatattca	gtcaactcct	tgccattcaa	aatggatgac	ctcaaagcca	gagtcagcgg	44760
tgctatgact	cccagatcca	tccacttggg	agcccaggaa	tgaactcann	nnnnnnnnnn	44820
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	44880
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnng	ttactgggat	ttgaactcag	gacctttgga	44940
agagcagcca	gtgttcttaa	ctgctgagcc	atctctccag	ccaccaccac	caccaccacc	45000
accaccacca	ccaccaccac	caccaccacca	ccaccgcgcc	ccacctgctc	attcctgatt	45060
ggttgggttag	tttagtctgt	gagacaggag	ctgtcccttt	tctatagtgg	aagggtgaata	45120
agaaactcct	gaaagtgaag	gcctacaaaa	cagccacact	tatttgttgg	aaaataactgt	45180
aaatgtgaca	tgtaaatata	tgctaaaata	atctgttaag	tcagtgaaca	accttaaaac	45240
acagtctgta	gctgaatta	cagacacgac	acgagccatg	acagaggctg	aaataagacg	45300
cctttgcaag	gagaagggca	gaagcttcca	tccttgctag	caaactcttg	ttccaagctt	45360
tatcagattt	tattgctttc	tctttctgtt	tttctttatc	atatttgttt	atgtgtggg	45420
ggaaagccta	atcttcatag	cccatgtatg	tgagcacttc	agcatatgtg	tgtgaacacc	45480

aacagcacac	gtgtatgagc	accacagcat	aggtgtgtga	gtaccacagc	acatgtgtgt	45540
gagtacgata	gcacgtgtat	agagttcaga	ggagaactga	gagagtccgt	cttttcctcc	45600
tactgtgtag	gtctcagggg	tggaaacttg	gctcagcctt	ggtggcaagc	tccttttatcc	45660
acagagtcac	cctgccagcc	cagctttctc	tttttctctc	tgttatgtct	atccactctg	45720
ttcaaggcta	actcactgac	tctgagttat	cagaactgct	tgtgagagca	ggagtaactt	45780
tggacatctg	tgctggtagg	aacaccatcc	ccactcggct	tggatgacga	aggggaaaaa	45840
aagcatcacc	aaggagttcc	accacctcaa	ccagcaaata	tttacctcct	atacatggat	45900
aggtgggggtg	ggtgagcctt	gtgattttatc	gttaggatct	catgggagtg	attacagctg	45960
gtctactcca	tgacaaaaat	ggtgacgggtg	gctgaccaa	aagaaacagc	tacacctggc	46020
tctagttttc	tttctttctt	ttttcttttt	cttttaccct	acggtactaa	ggattgaacc	46080
caggaatgca	agagctctgc	caagtgaagct	acattcccag	atctgttttt	ccatttcttt	46140
ctttcctttt	agattttatt	tcgattttatt	tgtctatggt	tgtgtgtatg	tgtgtatgct	46200
tatgtgtacg	tatcagtatg	ccatgggtat	acagaaacct	gagaaggcca	gaagagagtg	46260
tctgggttac	aggagtttctg	agctgtcctg	tgggttctca	aatgcagcag	caccaccacc	46320
aatcaccccc	acccccaccc	agccttcgag	ttcaattctc	atcatcacia	aaacacacac	46380
acagacaagg	gcctgcaaga	tggctcagca	ggtaacgaag	ctcgtgtcat	aagcctgaga	46440
acctgagttc	actgtctgga	acccgcgtaa	agggggaagg	gaagaatcaa	ctctatgatg	46500
ttgtcctctg	ctctccccat	gtgtgccatg	gaatgaacag	ccctcccaaa	cacacatcaa	46560
gaataaataa	aactaaaatt	agcttagtaa	cttttatggt	gaaagtgggt	tttacatgcg	46620
tgggcaacaa	taacaccgag	agtagaaaag	caagcatgta	tgtcactgaa	cagcatgaa	46680
gaaaaaacia	acacatttcc	tgtacatcgt	tctgggagtc	tgagttaggg	ttctatgct	46740
gggataaaaa	caccctgaca	aaaattaac	tgggaggaa	gctgtttatt	tcagctttta	46800
tgtctacaac	atgacctgtc	acccagggaa	gtcagggcag	aaattcaaac	aggtcagaag	46860
cctggaggta	gaagctgata	cagaagccat	ggagctgctt	ctggcttgct	ctagcacaca	46920
ggagtactag	cctaggggct	gtactgccc	cagtgggcta	ggctctccca	cagcaatcat	46980
aaatttagaa	aatgcactac	aggtttgcac	acaggccaat	ctggtagggc	cattttctca	47040
attgaggttc	cttcttccaa	aaggacttta	gcttgcat	tggtgacata	aaaactagcc	47100
agcatattgg	gattatagat	attctcataa	aaaaaagaca	tttagattcc	cacataacac	47160
catattcaga	aattaactca	atgtgaacca	gaagctctga	aagtaagagt	taaaactatg	47220
aaaaattcct	acaaccatcc	ataacaaaa	tctgatgcc	tcttctggag	tgtctgaaga	47280
cagctacac	gtacacacat	ataaataaat	aaataaatat	ttaaaaaat	atatgaaaaa	47340
tcaggctgg	gagatggctc	agtgggtaag	agcaccgcag	tgctctttcg	aaagtccaga	47400
gttcaaatcc	cagcaaccac	atgggtggctc	agaaccatcc	gtaataagat	ctgactccct	47460
cttctggagt	gtctgaagac	agctacagtg	tacttacata	taataaataa	ataaatctta	47520
aaaaaaaaaa	aaactatgaa	gaactatgaa	ctacaagaag	tcaggaatag	ggctgggggt	47580
gtaacccaac	agaaaaacac	ttgcctggcc	tgctgttggt	ctctagcacc	accaacgtag	47640
aaagagaaca	gcagaggatg	agggcatcct	gacttgagtc	aagtgaacaag	tgataatcct	47700
cgagacacca	aaatcacat	gataaaaagag	atcaacaagt	tgggctttat	ctgaataaag	47760
agctgtgtcg	ttaaatacca	cgcaggaagt	gaagaggagc	tgagtctggt	aacacaggcc	47820
tgaaatccaa	gctactgggt	ggactgaggg	aggacaacag	ctagctcaag	gcccacctgg	47880
acgccagagt	taactcagag	agcagcttgg	ttagctttta	tgagactctg	cccaggccag	47940
tgcacaggag	agatggctca	gtgggttaaga	gcattactcc	tcttgcaaa	gacctgagtt	48000
caattcccag	caccacagtg	ggcacttaca	atcatccata	actttagttt	caggggatcc	48060
aatgcccttt	tcacagtacc	aggcatgtac	acagtgcatt	tacatacata	catgcatgca	48120
tgcatacata	cacaggcaaa	acttacataa	aatactaagc	agataaatct	taaaagaagc	48180
cgggcgtgg	ggcgcagctg	tttaatccca	gcacttggga	ggcagaggca	ggtgtatttc	48240
tgagttcgag	gtcagcatgg	tctacagagt	gagttccagg	acagccaggga	ctacacagag	48300
aaaccctgtc	ttgaagaaaa	taaaaaaaaa	aaagaaaaaa	atcttaaaag	aaaaggagag	48360
gactggagag	atggctccac	agttaagaac	acttgctctg	aggtctacag	agtgaagttc	48420
aggacagcca	ggactatata	gagaaaacct	gtttcgaaaa	accaaaccac	aaacaacaac	48480
aacaacaaca	acaaaaccac	ttgttctttac	agaggacttt	ggtttgattc	tcagaatcca	48540
catgatgggt	cacaaccatc	agttgcaggg	atccaagggtc	ctgtcttctg	tgggcaccag	48600
gcataatatg	ggtgtacata	catgtataca	ctcatataca	taaaataaaa	agttttaaaa	48660
aggaggctgg	gtttgtagcg	cagaggtaga	ggtaaaaaaga	ctctagcttg	tttaatggtg	48720
acatgaaaaa	aaaaagacat	ttagattcct	gcatcacacc	atatccaaaa	attaactcaa	48780
tgtgaatcat	aagctctgaa	agtaagaata	agcctagtat	gcaactgtaag	gctctggggt	48840
cactccccag	cactgcaaaa	gatcatgaaa	ccagaaatgc	agatcctctg	aaccacagca	48900
tgggaatgta	actcagccga	tgcagtgtct	acctgtcgta	tacagagcac	aggataaatt	48960
gattgtgggtg	gtgcatacct	ataagctcac	tacgtggaaa	gtagaggcag	gacgacaaa	49020
ggttcagtg	catccttggt	cacatagaga	atttgaggcc	agtctgggtc	gctgggtctat	49080
ttggaatgct	gtctcaataa	ataaaagaaa	gaaagaaaaa	gaaaagaaga	agtcctatga	49140
ttgtcttaac	ctctgacctc	tgtgttcac	aagtctctc	ctcagggaact	cactgggtcat	49200



cttgtgaaaa	cctacccag	agtctctgtt	cagaggaccc	aggctccagc	tgtggttacc	49260
acataggatt	tttatactag	aaaaataaaa	tgaataagta	tgtatttttt	aaaaagggtgc	49320
agagctggat	atgggtgggt	ctagttatag	catccagaac	tgagacagga	tagccatgag	49380
gttgagaaca	gctagactat	acgggtctcaa	caaacaaaag	taagggatct	gagtagatga	49440
ggtttttaatt	tttttctttg	tgtttgttac	ctaactgtga	tggttgtttt	gaatacatgc	49500
atgtctgtgt	atcacttgtg	tgcctgaaac	ccaaggaagc	cagaggaggg	catcgggtcc	49560
cccgaagta	ttattacaga	aggttgtgag	cagccatgtg	gggtgctggga	atcaaactctg	49620
aaagagccac	ctcgggctgg	agagatggct	cagtgggttaa	gagcactcaa	tggctgctct	49680
tccagagggt	tggagatcaa	atcccagcaa	ctacatgggtg	gctcacaacc	atatgtaatg	49740
ggatccgatg	ccctcttctg	gtgtgtctga	agacagctaa	agtgtactca	aataaataga	49800
tcaaaaaaga	aaaaagaaac	agccacctct	ccactctccc	tttttaaaat	cctcttgccct	49860
ctgtccctta	atgtttaataa	cacagggtata	tgatactatg	ccttggtttat	gaatagaaaa	49920
tacacgtgct	aaagcaagtg	tgaaccttaa	atacattatg	ctgagtaaaa	ggagtgtggt	49980
gcacacaaga	cttttctgct	caagagtatc	tgtatgaagt	attgaacatg	tgaactctga	50040
aatcggggagc	tgaggaagat	atggggaggt	ctaattggcta	caacatttct	ttttggaatg	50100
atgaggatgt	tctagaactc	aaaaatgggtg	ataactcagc	atatatacta	aaactcattg	50160
aattgtacac	tttaaataaa	tgcaataaaa	cttgtctcag	taatgtgggt	tagaagatgt	50220
acagacatgt	gtgtgtgtgt	gttaaaacat	ttcttggtcat	ggcaataaaa	atacagtttt	50280
agccagggtgg	ttgtgggtca	aaaaataatg	ataataacaa	taataaaaaat	aatgaaaaca	50340
gaggctggag	agatgggtca	gcgggttaaga	acactgactg	ctcttccaga	ggctcctgag	50400
tcagttccca	gtaaccacat	gggtgggtcac	agacatctgt	aatgggatct	gatgccctct	50460
tctgatgtgt	gtctgaaac	agctacagtgt	aaagtcatgt	caaggacttt	acaatagtga	50520
ccatgataac	attgaagcta	gacttgctac	tactgctgag	tgtgtctgct	ggctctttct	50580
aaggagttaat	gttagctttt	tgtcctaaat	ttgtttcctt	cctttcctct	ctccctctgc	50640
tgttttttct	tacccctctt	ttactttgct	ttccctctct	atctcctctc	ttaacagagt	50700
tgtcctatgc	agcccaaagt	ccatcttcct	gcctcagcct	ccccagtggt	gaaaaatact	50760
ctttccacag	gttatgttag	gagactggag	tctgctcagt	cggggaggga	gcctgggtca	50820
agtctgagc	tcaattcctt	ttctttcttt	ctttctctct	ttctttcttt	ctttctctct	50880
ttctttcttt	ctttctttct	ttctttcttt	ctttctttct	ttctttcttt	taagacaggg	50940
tttctttgta	taccctgggt	gtcctggaac	tcactttgta	gctggcctgg	aattcagaaa	51000
tctgcctgcc	tctgcctccc	aagtgtctgg	attaaagggtg	tgaccacca	atgccagcc	51060
ctgggtctcaa	ttcttaacat	tgtggagaga	aaagtattgt	agctgttctg	gccacctgga	51120
attactttgt	ttctgatctt	ttgtgtagt	caaactcctc	tcattccatct	ttcctcgtca	51180
ggctataata	tagactctcc	ttgcaatact	tggaaatgct	ctacagtcag	ctacatcctc	51240
agtctgtctc	ctatatTTTT	tcctaagctt	ccttctaagg	tctttattgg	tttatgattt	51300
acacagaaca	tttttttttc	ttgtctatag	catgcttag	agtgatcggt	gccagataga	51360
ggaaagagaa	atgagagaan	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	51420
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	51480
cagctactga	ttctctctcc	tcctctctcc	ttctctctcc	ctccccagcc	tcctgctctg	51540
ctcatcttgg	acttctgcgc	atgtcctcag	cccagacctt	ctgctcttgc	ttctctctct	51600
cccagcagcc	ccccagttct	cttctctgaa	cttctgaggt	actctccatc	acctcctttg	51660
gctcctgctc	tgattgggtg	cacctgctgg	ataggcttgc	tcctgactcc	actgttcgtg	51720
tctcaattag	ggacctcac	cctctgatat	accacacatt	tcctagtgtg	ctccacctcc	51780
cacccccacc	ctatacgac	atacacactt	agctgcatca	ggatcctaca	ccagggactt	51840
cttacccttc	taatcctccc	caccggacac	tgcccaggga	cactgggggt	ccagaggggt	51900
attgccacac	ggacacacag	gagatctcat	caaggagatg	tgccctaccc	agagggtagc	51960
tctcaccatt	cacaagcaca	ccacttctgc	ctccagcttc	tactctctcg	caggaagtag	52020
ccagcccggg	gccaaagtac	cccaactaca	tccccaaaat	tctcagacac	tgccagcctc	52080
cagctgtcag	cctggccccg	gctggcgggc	gctgtctcct	ggcatagcga	ctagggtgta	52140
attagaaacc	cgtagctcc	ctaattgcca	gttctgagct	gtccttgtaa	ccgggtgccc	52200
gaggcacaca	tagaggaaaa	ggctgagagc	tgagccaggc	tggcatggag	gtagccctag	52260
tagacctaga	gaggactggc	atgtggccag	ggaccaaagc	tggcacagag	agggctcagt	52320
gcaatctgcc	ccgtgggtgc	ctcccagcca	catccatttg	cccagaactg	tgacgtcaaa	52380
ccagcccggc	ccattcattc	tttattcagg	tggcataaaa	atcactacaa	aaactttaca	52440
aaagagtctt	gggagctaaa	gggtcccttc	cttgccctcag	tccccaaagt	tcctggcagg	52500
ggaggacaag	agagagaaga	aggaggaaga	ctcctggcag	tgttggcatc	tccaaatacc	52560
agaggggtga	cttgggtgac	aggacacagg	ttggggacct	gaatgtcttc	agcaagggac	52620
actcttgtag	ggtagggtcag	cctccaacca	tgaagtataa	caccaaggcc	agtctaagct	52680
tgggagacca	acacttgtct	ctccttttcc	caccagggt	gtctggaata	tgtctaaaga	52740
tggcctctcc	agcctctgct	tacaaaatgtg	gagggaccct	aagttaggga	cttgccctaac	52800
ctacctctag	ccaaaactgt	gtccacaagt	gccagcccac	aaaagatcac	cccctgagcc	52860
ccttgggaag	aaatgaagat	tccccatgcc	tgccttctct	caggccccac	cccactgct	52920

gcaagagaac	agcttctaca	ctggtgatgg	tccttccggt	cccaccctat	cccacaaagc	52980
tggttagaaa	gagtcacagg	agctgagagg	ctgatccagg	tggggactca	ggatgctgct	53040
gcccaggggc	cctcctcact	tgggggagct	gaactggggg	tagtcttcct	ccatgcgggg	53100
tgcaagtttc	aagtcaggac	caaagggtct	gcctccatgg	aagtcagctt	tgtcattctg	53160
gcctatgagc	ctgttgctag	gggaatctcg	ctgttctctg	agctggggca	gcgcgctggg	53220
gttaggggtc	ctcacactgc	ccacaaagag	gggcacgcct	atgggtgtcct	ccatgatgaa	53280
gaagaggaa	ggtcggttca	cagtgaagga	ggagaggggc	attcgattca	tggctacgct	53340
ggtagctgcg	gctgcctcca	caccagcctc	gctgagctcc	atggtagact	gatgttgcac	53400
gctagacacc	accagattct	gctcagagat	cccacgaagg	tctgggcccct	ggaacaattc	53460
ctgcaggcct	gcccagaaca	gcagatgact	ggtcagtgct	gccccaaagg	tatgtggatc	53520
tgtctagcat	cctgggctaaa	gggaacactt	gaaccacagc	gttgattgga	atctgttaga	53580
cctcagtcta	gacaacactt	ctagaaacct	tttttttttt	tttttaaatca	53640	
ggatctgcgc	taggtacagg	acagaaagtc	tagaggagca	tatcaaattgc	tcccatccag	53700
gaagcagggc	cacctctggc	tcaggcacac	tggcagctcc	cgtactctgc	ccagaccacc	53760
taggggcacc	ctatcccca	gctccttacc	cagttggctg	aggggtggcca	ccaggtccag	53820
ctgctgttgc	agatggagtt	taggcagcca	caccttggtg	ggcctctcct	gcagcgaggg	53880
atggtacaga	gtatcccagg	tcagggtggc	tagtacctcg	gacacgttcc	actcaaaata	53940
agtgggcatc	acgaccacaa	agctcatgtt	gttcttaaag	gggaaatgag	ccacctacag	54000
ataagaaaag	gagagaacat	gaggaccaga	cagcacctgg	acctgtctgg	agtctgggcc	54060
aaaattactt	ctgtactttt	gagacaagag	ccagaaattc	agggttagca	tgcttttcat	54120
taactggtga	agtggataaa	taccacttac	ccctttgcaa	ggtgacatgg	gaccaaatga	54180
gataatgctt	ttacacctct	ctgtgtgcac	acataagcat	atatgtttgt	atcgggtgtg	54240
gtgtgtttgc	tcattgggtat	atggagtcag	aagtaggtaa	acatcagtcg	tcttcttaca	54300
ttgctctcca	cttttttttt	tttttttttg	gtgttgccat	ctttttgttg	ttgttatttc	54360
aagacaggct	ttctctgtgt	agccctggct	gtcctggaac	tactctgtga	aatcaggctg	54420
gcctcgaact	tgcagagacc	cacctgcctc	tgcctcctga	gtgctgggat	ctaagatgtg	54480
tgtaactaca	catagctccc	tcttttttgg	acacagggtc	tcatggatcc	caagctggct	54540
ttgaaatgac	tgtttggggc	tggagagatg	gctcagcggc	taagaacact	gactgctctt	54600
ccaaaggctc	tgagttcaaa	tcccagcaac	cacatgggtg	ctcacaacca	tccgtaacaa	54660
gatctgactc	cctcttctgg	agtgtctgaa	gacagctaga	gtgtacttac	atgtaataaa	54720
taaatataatc	tttttttaaa	agagaaagaa	atgatggcta	catactcttc	tctcgtctct	54780
ctgccccaa	tgtggggatt	acagagctgt	acaacaagcc	caagtttgtt	gtgttttaga	54840
catgctaattg	tatcccaggc	tgtcctcaga	ctctctatgt	aattcagaac	gaccttgaac	54900
ttcttttaag	gtttattttt	atcttatgtg	tatgggtatt	ttgcctgagc	atattgtctgt	54960
gtaccgtgtc	cttgccagtac	cctcacagtc	cagaggaggg	caccatttcc	ccctgaactg	55020
gttgtgagct	gcatgggtgg	tgtctgggaat	caaaccctgg	tcctctgcaa	gagaagccag	55080
taagtactct	taactgctga	gccacttctc	caccttgagc	ttttcttccct	cctatctcga	55140
tctaaaagta	ctagggatgg	cggatgtgcg	ttcatgtgcc	tggtttatgt	gttgctaagg	55200
ggtgaacaaa	gggcttttgt	catgccaggc	aagcactcaa	caactgagct	acacatcccc	55260
acagactttg	actcttctag	tagtagtgct	tccactacag	cctgagttct	ctatctgctg	55320
tcagcaagct	gtacaaacaa	gctatgggcc	ttcctgtcct	tgcctctcag	ttctctccgc	55380
agggtgggct	actggctttc	aaaatgacct	atagaggagc	cacagcaaac	agtaggaagc	55440
ttgcccctcg	tctttcaccc	tctcccagag	agtcagctat	aattcgagtt	tttttttccct	55500
ctctctctct	ttaaacagga	tctggttatg	tggccctaac	tatcttcaac	ttcagctctc	55560
ctgcttcaac	cttctgagtg	ctgggattat	ggtgtaagcc	accacactca	gctcacacaa	55620
cctttttttt	tttttttttt	tttaaagaat	ccatgcagtt	aggacagcat	ggaaatgacc	55680
aggctcaggc	ctccctgggt	accagcataa	tgcctgcagg	cgggtcctct	gccagtgggg	55740
ggatggaaa	atggagccag	aggatctttc	ctctctgaac	ctcaatgtcc	cacagtgaga	55800
cactcatgtc	cactgggaga	tactgtagta	ttcaaggaa	aagcaacagg	aaggtgagag	55860
ctaagtggag	ctgagcaggc	tcgatccctc	tcaccacggg	ctacagagaa	gtctggctgc	55920
cccctccaca	tggctcctcc	ctgcagaact	ggcaatgctg	ggcccggctt	gcccagtcaa	55980
actaaccaac	agaatggatg	agcatgtgtg	gtgccacaca	cctgggaccc	cagcactcag	56040
acagctgggg	cagaagggtc	atgagtccaa	agcgaacttg	tgtaacattg	tcagaccctc	56100
gaacaaacaa	aactagcccg	tcctgttatc	tcagccacag	atgatggggc	caaggatcag	56160
tactctagcc	aaggagtcac	ggttaggcta	gaagcaaggg	aagccttagc	tgagacagct	56220
tggcacggag	cttcatccaa	tcagaatgtt	cagagcaata	agctttgaaa	cccgacttcc	56280
atctatgaag	cactgtgtgg	gaactcctct	cttcccttac	gagcaggggc	ctggtcctct	56340
tgggctccgc	taaaacccca	gcacagagaa	cagttacctg	gcacgtgaca	aaaactcaat	56400
atattttctt	tgaggagatg	aacctcaaag	aagctgtgtc	ctggatagac	acagcataat	56460
aaaccttcca	ggagctacct	acccagggac	cagactttac	ctcccagtac	caggcctcgt	56520
ttgccagcca	aaggcaaagt	ccagactgac	ctgtatctca	ggttgctcca	gcaggaacca	56580
tcgaagagga	tatgacaccg	cgtgcatcat	gtccaccgac	actgtgaacc	gctcatccag	56640

gtggaagaaa	tctttctggg	tgaggctcgg	gtcaaaacttg	gtcctccaga	aacctgcagc	56700
caggcagagg	gcaggagcca	tgtaacataa	aatcagcctn	ctgcctgtct	tgcctagaac	56760
ctatnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	56820
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnaaccaa	ggcaggtcct	56880
ggaaaaagga	atcttaaatt	agaagatgcc	ttgataagat	tggcatgtag	gtatgtctca	56940
ctaattgattg	atgtggaaag	tcacgagggg	tggtgtcacc	ctgggcagat	ggcctggggg	57000
atataaaaaac	acaggctgaa	caaaccacaa	agcagtagtc	ctcaatggct	tctgcttttag	57060
tttctgtctc	aggttcctac	cttgacttcc	ctcagtgaa	gcagtgacaa	tgagagttgt	57120
aagaggaaat	aaaccctttc	ctccccacat	agtttttggg	tatgatgtta	tatgtcaaca	57180
acagaaacta	taactaatat	agttgggttt	ctttttttgt	ttgttttggg	ttgtttttag	57240
acagggtttc	tctgtatggc	cctggctgtc	ctggaactca	ctttgtagac	caggctggcc	57300
tcgaactcag	aaatccacct	gcctctgcct	ctgcctccca	agtgggtggg	ttaaaggcat	57360
gcgccaccat	tgccctggctg	gttttctttt	ttttttaata	catttataat	gcatttttaga	57420
tttaaaaaaa	aaaatggcca	tggcatataa	tataaaaaga	agtgcctaca	aatcaccatg	57480
tgcccttgcc	ataaattatg	taaaaatttc	catatggaca	tcagtctcaa	gcttacaatc	57540
tcagcactca	tgagcctgag	gcagaggcag	gaggatggg	agctcaaggc	cagcttagtc	57600
tacataacaa	gatcctgtcc	aaataataac	aacagtaata	atttcataca	tagaactaga	57660
agggggccact	gcaaagacag	tatgacaaaa	ccactggccc	tgccctaattg	tatttttaa	57720
aactgtcctc	ctctctgtaa	ttttcagttt	ctaattttta	cataactacc	atgtattctt	57780
tttgtaattt	taattagttt	tttaataata	gaaacaagct	aagtgtctaa	aataatttca	57840
tatgaacatt	ttcaaggcac	ttgatacata	cctcagattt	gccctccagg	tgagcagtag	57900
caattacgtg	ccaccagcaa	tgtagcttct	cttttttccc	taccatctga	ttctgtttca	57960
gtctattcgt	agttctgata	ttgttatatc	ccttttttatt	gtttccctgg	gttccaacac	58020
ctcccagttg	agtgtttctc	ttgaatttca	ttagcagctg	tttcattaat	ggcacagaag	58080
aaggattaca	gtgttaacta	ggatagactt	tgacaaagaa	ctatgagaac	atatcttatt	58140
atctttgcat	aaattctttt	taatcaaaag	tcctcaaaag	cctctctctg	ttcccatctc	58200
agggagtagg	tctggccact	gatgagtgtc	caggccacag	tacaggtgtg	cgtgggttctg	58260
tccctgtggg	aagggcacat	ctgtgttgta	acaggattcc	tgtcttaaca	agccttgctc	58320
aggctctaag	tggtcctgag	ctagctaact	gcccttggct	ttcccttgat	taccagataa	58380
ctattcactc	ttctcatttt	gcagagcact	taccaggtag	ctatgtcctg	gaagtacgaa	58440
tgagtccttc	tattgttttt	cttttactta	aatcccattt	gaaatgcgcc	agggacactt	58500
caatccaagg	tacacttttg	ctaaagaatc	actcattttt	atatgcaaaa	tgtcacctat	58560
taactgcagc	tgatatggta	catacatatt	ctctcttctc	attatccact	aataggtagc	58620
taatgcgaaa	tattgagtaa	tttttaaaaa	tcaatactca	atttttttaga	aataattaga	58680
gagacattca	actctgacac	cagcacccta	ctcagttcct	gagccttcct	ctgccggagg	58740
agaatctata	aataactcac	gaagctgaca	ttactcactg	tggtgcagtc	atttttttct	58800
gagaaaattt	tagcaactgt	tctaataagag	cctgccagtt	atcagtagtt	gagaatgcaa	58860
gtcaactttt	aattatgcag	acgctgatta	ttcagacgac	aaattgtttg	tgcctgcacg	58920
gtccttctct	gctgcctacc	tttaaccgtt	ctcagtgctc	attagcacat	gttccagaag	58980
gtaggctttg	gaggggcgga	caggcactca	aaccagctaa	gcacttagag	aagctctgat	59040
gaaagatgtt	aatgcagttt	gtagaattat	tgactaaaa	tgagtcattt	ggattccctg	59100
tgaattgtat	ttacatgccc	tgtccctgtc	ccccatagca	acagataata	ggattgtctg	59160
cagagagaca	acatagttct	tatatttaat	tttttctttt	gtcgaacatt	ttcacatgat	59220
ggttcgtggg	gtttcctttg	ttcattacat	ttgtatccag	actagttact	tctgataagc	59280
ggttagttag	gattcctggc	acgcggacag	tgacaccaca	gttgtctgat	cgtttcccac	59340
ttttttacaa	aaccgttttg	ctttaagagt	cagtgttttg	cacatttcac	ccagattatt	59400
ggaaatatta	tttccctcct	gcttaaaccg	aagctgtgat	cataatttaa	gcctttctag	59460
gtagccgata	ttacatgtat	catacctatt	ttggcatat	gtttgtctat	tacaaagacc	59520
tcgtaggtat	gcagtttagaa	gcctctagtt	aaatgaaatg	ttgcgtgtgt	gatgaacctg	59580
gagtggggat	ggccttttgt	gtgccccaag	gctgttgtgt	ttcacacagt	tgttttctgc	59640
ctcctctggg	ctatcactat	cctgccactg	ccagaaaacc	ctgctgtgtg	ttccccgcgt	59700
ggaggatctc	tgcttctgaa	cttctttggc	ctgagaaact	ccataaccaa	atcagttagc	59760
attttgttta	aagagcaggt	aggctgttag	agcttgggtc	ttacatgtct	cccaggtcca	59820
cttgccagcg	ccttgaccac	tgtaactttt	tgtaaccaca	ctcatctttt	gctgcctgtt	59880
ttttgggggg	tttttttggg	tttgtttaag	ccaagatcag	ttatatggcc	caggctgagc	59940
ctctcttccc	agcctctcaa	atgttagaat	tacaagcatg	catccctcag	catacctttc	60000
ctttgctttt	tttaaaatag	agttttgcca	tagcaacaga	aatctaacct	aactaagcat	60060
agcctgtcac	atggtagag	gaactcacat	atgtgtgaat	ggaagtccat	agagaccggc	60120
atcactgcct	agaggccctc	ttcttcttcc	cttgtagttg	tcgtgctagc	tgactgtact	60180
acaaaagagg	ttgtctgagg	cataagacta	ccttcaataa	aacatgcaca	gacagtttgc	60240
ttctctgaga	tttcagagca	gtgactacct	tcaataaaaac	atggacagac	ggtttgctta	60300
cctgagactg	cagagcagtt	tccaaaaatt	ttagacaaaag	ggtaggatga	agaaggctgc	60360

gggggttttgc	acacacttaa	ggtgcgtaag	taaataaact	gagctacact	gacaggatgc	60420
tcgttctagt	agccaaccaa	agagcagttg	aaccaaagca	cctagacttc	aaacatcgtg	60480
gggagataat	cttaggagtg	ctatgcttct	gcgtccctaca	agtattatga	aactgtctag	60540
aaagcacccc	actggtaatc	cctttttgat	tatttttttt	ataaattcta	gtcttgggggt	60600
tttgagtggc	acacagacat	aatggttagg	cttcgggtgtg	tgctcattca	ctttgcttcc	60660
tggggaccag	agttttgcgat	gagtcagtgt	ccatctgatt	tctgtcggat	cgggctgcag	60720
agccatgact	cagatgggct	tcaggcccag	ctgctcagtt	catcttcttg	ggaatagatg	60780
acaaggacgg	gacaaatgtc	ctgacgcaca	tttccttctg	ttcttgcact	tccagggtct	60840
aacgagagca	tcattaccaa	cagcaggcag	atagccttg	ccacaggcat	cttcctctgt	60900
gtcagcctcc	tgaaccactc	ctgcaggccc	aacaccagt	tgctccttcac	tggcactgtc	60960
gccaccgtcc	gggcagcaca	gaggatcgca	aaaggacagg	agattctgca	ctgctatggt	61020
gagccagcct	ttctttccac	taccctgctg	tgccctcacac	ctcacatgaa	aaggataagg	61080
ggacaggaat	cagcagatat	gggccagtg	cctctactca	tcctctgagt	ctttcctgga	61140
aagggcaatg	catccttggg	ccaataaaaa	aggcttctctg	gctgtaataa	aaaagcccgt	61200
tgagggcagt	gagccatata	cctccatgcc	ttgtagacag	cctatcctga	aaatgagcga	61260
ggagcacttt	cttggcttct	ttcttctctg	cccagcagct	tggaaacgta	tccactttca	61320
cccgtgtttt	gttgtttttt	ctgagatgat	agggcagagt	acccaacctc	atataggcta	61380
ggctagtgtc	tatcactgag	ccaggacccc	aaccagcac	caccatgcc	gtcacgtgat	61440
gactaggcca	gcccctcggt	agagtaggca	ttgactctct	tgggtgtgact	aggaactgtg	61500
ggtaatctct	ctccagggcc	tcacgagagc	cggatgggcg	ttgctgagag	gcagcagagg	61560
ctgagttctc	agtacttctt	tgactgccgc	tgtggggcct	gtcacgctga	gacactgaga	61620
gcagctgcag	ctcccagatg	ggaagccttc	tgtgtgaaga	cttgcaagagc	gctcatgcag	61680
gtaaactctc	gctgttccca	ggggcagggc	tcagactaaa	ggttgtcagt	cgccaggaga	61740
accattcctg	cttcccttct	tgtaactcct	ccctacatgt	cgcccgggtcc	tcgagaaaac	61800
acaggttgta	tttccctaata	ttttccctat	aagtgcacaca	aaatcttaaa	ttacacaaag	61860
ggaccaaaaa	aaaaaaaaaa	aaaaaagccc	tagaaattta	cttgctcaaa	taagtcatca	61920
aaagtgtgtc	atcaggccta	gcacttgggt	actggtaacc	ctagcactca	ggaggctgag	61980
gaagaaggat	ctcaagtcgg	aggccagtct	caagtgcac	cccactctaag	agatcaccat	62040
tccaaggagc	tatttcagag	atggtttaat	ctggggaccc	agattgtgga	ttttctgtct	62100
gttcaattcc	atctctctgt	gctggcctca	tcagacacac	tctgtagtaa	ctgtgggaaa	62160
atccgaccca	catagttttc	cctcagcctt	tgacccagag	ggaagagcca	cagtggagag	62220
catgagagca	gacccttggg	tgctactgcc	aggtaatggt	gtagacactg	gagcttctca	62280
cattcatgcc	ccaatgcaaa	atggtctcca	caccagagca	tggcattctc	attagaaata	62340
agtaaattgga	attggctgtg	ttgaaaattg	taaagccaag	ggtcaagaat	gaagccttcc	62400
ccagcatgtt	ttgttttgtt	ttgtgtttta	ggcagcgtct	ctctgtgtag	ccttgggtcc	62460
tgccctctgc	tacctctccc	agggtgtgcca	ccatgctggg	cctaagcgcc	ctgtgcatta	62520
gtgctccctc	gatcctgctc	actcttgaga	cagtcttctc	tctactctgt	atccccagat	62580
aacctagagt	tcacttcaga	gcccaggctg	gcctcaaact	tgagatcctc	gtgtcccagc	62640
ttctcaaagt	cagtgatatt	tacaggccta	cacctggctt	tccctgatag	attcctagta	62700
agatgattat	cctttgagcc	atatctctct	ctgcttctct	cctctcttcc	tgcagggttg	62760
atctagaatt	tattctaaag	ctgactggcc	tcagaattgc	catccttctg	cctttagnnn	62820
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	62880
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	62940
tgcccttaaga	gttctttgtt	tatgggaatt	tatgggaatg	ttccacagaa	cccatccagc	63000
ggagttcttg	ctgttggttt	ttaatcttta	ttcatcttgc	gtgtgtgtgt	gtgtgtgtgt	63060
gtgtgtatgc	gcgcgtgctc	aacttgcaaa	attgcaaaat	tcagtctcct	ctttccaccc	63120
tgtaggtcct	ggggatcaga	ctctgttagg	cttgggtgga	ggtgctttac	tgagccatct	63180
tacaggcccc	ccatggacaa	ctttttcttt	gaaaacctgt	ttctggcttg	ggtgtgatag	63240
ctcacacctg	tgacctatac	accactcatg	aggaagaggt	aggaggacta	acagaattgg	63300
aagccagcct	ggactacaca	gtgagtaaa	gctatctata	tactcaccac	atggcaagac	63360
cccgttttaa	aacactgggc	aagggtgaa	aaaagtcaat	taatttcaca	taaagtcaat	63420
agcttcatta	acggcctagt	tatcttttaa	actgtatgca	ggttagtact	tggtttcaat	63480
tttattactt	tttctctgga	acattttaaa	gtacttttag	ggctggagag	tcagttaaga	63540
acagtggctg	ctgccaaagg	actggagttc	actcccaagc	accaggtgg	caatcacaac	63600
tgtctgtcat	ctaattctag	gggatctgac	accctcacag	actcacaggc	agtggaacac	63660
caatgtacat	aaaataataa	ttaaaaaaat	gaaataaaat	accaggcaag	gtggcacacg	63720
cctttaaccc	cagcactcag	gaggcagagg	caggcagatt	tctgaattcg	aaggcagcct	63780
ggtctacaga	gtgagttcca	ggacagccag	ggctatacac	agaaaccctg	tctcaaaaaa	63840
aaaaaaaaaa	aaggacttta	aattgggctg	gagagatgga	ttaaaagcat	tggctgctct	63900
ccccagaggt	cctgggttca	attcccagca	ctcaaatggg	ggctcacaa	tgtctatatc	63960
aacgcaatct	aacacctctc	tcaggcatgc	aggttacatg	tagacaaaac	atccatatgc	64020
ataaaatata	taagtaaagt	agtcttttaa	tgtatactag	aagctgggtg	gtgggtgcatg	64080

cctttaatcc	cagcacttgg	gaggcagagg	cagggtggatc	tctgagttgg	agggccagcct	64140
ggtctgagta	aatagagcct	tgtacttcta	cttatcacta	cagttacatt	ttataacttt	64200
gggcccctag	gcttccattt	tccactgttt	gcttaaccac	tggggcctga	agctttttgtg	64260
ctgacacttt	tggtcgctaa	tcatcaggca	accaatggtc	tctacactcc	atcaccatca	64320
acacaaacaa	aacaaaacac	aacactacgg	atcctggcat	ggtggaacat	ctttagcccc	64380
agtacgtggg	cttgagttca	aggccggcct	ggtctacata	gcaagttcta	ggatagtagg	64440
gatagtcttt	aaaacaaaac	actattttat	ttatgaacaa	aacatgtaaa	gaaagaaaaa	64500
aaactgcaaa	tttatctatg	aatgaagtct	aagtaatact	tcaatatttg	aaatagcttt	64560
ctaaaaatatt	tttattttaa	gaaaactcag	caaattatct	aaacaacctt	ataaacgctt	64620
gttataaaaag	taaagaatta	tttgcaattg	ccttaagggg	ccaaggtggc	agcctcttaa	64680
aattcagaac	aatccaagct	tcacattcca	gttcaacatt	tctacagccc	taacgtattc	64740
aaatacctcc	attctgacaa	ctgtttcccc	tcttcttttc	ttctaagctg	cttagatgtc	64800
tgtdccaggc	ttttcatgat	tttagtcat	cacacaacta	gcaaacatta	tctagggact	64860
aaaacttgcc	agatactggg	atatcaccct	aaagggggac	tgaaagtagc	tgcaggctac	64920
agtctctaca	atctcctgaa	tgaaatacaa	agtagcta	atcttacc	taa	64980
cacctgtgat	gattgctagc	tgtactagca	gaagctaaac	actaaatcta	gaaactcagt	65040
cctccaacta	gccccttgct	cggcttcagc	ctcatTTTTA	caaacaaggg	aaagagtttg	65100
gaatgttgcc	caaagccata	cataagtga	caaaaaggag	ttggagtctc	caa	65160
gatttgggct	agttactttg	ccaaccaact	cagtaacaac	tgagctgaac	aggaacactg	65220
tggtagcaaa	agaaactgga	actatcaatg	gctctagag	caaaaatata	tttaaaaaga	65280
aaaaaacaaa	caaggcctgg	caaggagact	gtgagaagag	tgtgctgact	gaaattgact	65340
agttcagcca	acaaaagact	attccagggc	tggtgagatg	gctcagtg	taagagcacc	65400
cgactgtctc	tccgaaggtc	aggagttcaa	atcccagcaa	ccacatgg	gctcacaacc	65460
atccgtaaca	agatctgact	ccctcttctg	gagtgtatga	agacagctac	agtgtactta	65520
catataatca	ataaataaat	ctttaaaaaa	aaaaaagact	attccagtg	ggatggaaaa	65580
gttaagtgtg	gagttaaaat	atacttcaac	tggtgatgga	ctaggtgtcc	agagtcgggc	65640
aaaaggatgc	tctgtggtag	agggtgcctgc	tgtgtaagcc	cagctacctg	agctcaatcc	65700
acagaatcca	cagcggagtg	ggaagagaaa	caacgtccca	gagttgtcct	ctggcatccg	65760
acgcacattc	gccatcccca	agatgtcata	catatgtgta	catactacac	actggcgcac	65820
gcgcacacac	actctttttt	aaaattcaga	cttagaggga	cataaaggat	ttgctctgat	65880
atatgttcaa	ttgaaaatga	ctttgaagat	agagggcaga	tcgaagggaag	ctcagcagga	65940
aagaattaat	aacatgcagg	tgaagggtcta	taaaactagtc	tgcaaggggc	cttggctcga	66000
caaaaaaatc	tatgggggtt	gccggtaaaa	taaggaaaaa	gttgtcaaca	tgaaacacag	66060
aacactagca	agagaggagt	gttagcagaa	agaagccaac	aagctcaaac	aattaggtcg	66120
gctgaaaaat	tttaaaatgt	cttctgattt	ggctactggg	aagccactgg	tgacttcggt	66180
cagcgttttc	tctctcgtga	ccagagagat	gtctagtagc	aataatgagt	taggaggatg	66240
taaaagaagt	aaaacagccg	aaaacaagtc	caaaaagttt	ggggtgatgg	agaaaaggag	66300
gaaacagagg	ccgccgaaga	tagacagcgg	catgtttatt	tgtcttgttt	tcttagatgt	66360
aaacaaacta	aaaaaactcg	tgagttcttc	tgccagtacc	gggttgccct	cagcatccct	66420
tgatggctct	agagaccccc	ggatgtctcc	ccgcggccgt	ataatttctc	ccctgacgct	66480
ctcccgatcg	acagcggtc	cctccccggg	tcctctttgc	accgctccaa	ggccgcgctg	66540
ctagggccat	cgagcccgtc	cagggtcgtc	tccttacctc	gatggccccc	tcgctcaggt	66600
gtcccaccat	ggctgcaccg	ctaactcccg	cgctcgcgtc	cttgcaccgc	ctgagcttct	66660
ctgccggggt	ccgcggggct	gctcaacgat	tggttagagc	aactgtgcgt	gccgatccgc	66720
ccccagcgtg	agcgcgggtg	gagggg	cctagacgcc	gatagccacc	gcattggcta	66780
ccgcgcggca	ggcagagcac	gtgactcttc	cgaggccggg	ttcgaggcct	agtggcggga	66840
tggcgggacg	tgaggggcggg	gcgctgggtc	gcagtgcgcc	tgtgtcagcg	cgggtgctact	66900
gagttgttcc	cccgccagct	gtcggaaact	tgcccgcaca	gtcctttggc	ggacagacag	66960
aatggcaacc	cagggaacag	tcggagctct	cccctggtaa	ctgctgctaa	atatagtcaa	67020
agcagtgacc	tgggtacttc	ttcacgcagt	gcgtgcccgg	cgccgggtgc	agggccagag	67080
cttggcactg	tgggataaac	aaggtaaatc	agactcagtc	tcgcgccctc	tgagttccac	67140
ctgagagttg	tggccgcaag	gaacccagcc	tcaaggatgg	tagacgcgat	atgggccaca	67200
catgtggagc	tccagagtgg	gggtcaaaaa	tcaatcaggc	tttcgagagg	cgatgcgggt	67260
tgaactgagt	taaagtgtgt	gtagaaat	gtcaggtgga	ttccagtgag	gatagtgatg	67320
ttcctaaaag	cccaa	ctatgcaaaa	gtattggaga	gcctggcggtg	ctggctggct	67380
ctgatctgtt	tgtaatccca	gcctttggga	tgtagaagca	gcaaaaagttc	aaggtcaccc	67440
ttaacaccgt	tgagttcgag	gtcaacctga	actaaatgag	accctgaaaa	atcaaaat	67500
gggacccagg	cgtgggtggc	ttcgaggtaa	aagcaggcag	atctctgagt	tcgaagccag	67560
ccaggctaac	ataagatccg	gtctcaaaaa	aaaaaagtaa	taaaaataaa	aagggagaga	67620
ggctatatga	actgaaagaa	gacactggag	atcaaaacag	aaaactgagc	cgtctaagaa	67680
atgaaaaat	ttaaacttc	agttgctgga	gtaagaagtc	tggaaaactt	tgggcaacta	67740
aggtaaacag	gtctagaaag	actggaatag	tagccatcta	ctgggtattt	gatctctgtt	67800

tgtacaacca	caacctacta	tagttttctca	aacagttcca	aagaatatgt	ctgggtgaat	67860
tggtaccaca	ccacagatta	actctccttc	agcatatcaa	cagctataga	aaaccccaga	67920
agaaatgatt	ttgggtgcgt	gtcacttggt	aggatgaaat	ctcgattttc	tagaactatg	67980
cattaataga	aagctgaatc	ttcatgttct	gactttacag	agctgcggca	gcatggatct	68040
accggtggat	gaatggaagt	cctacctact	taagaagtgg	gcttcactcc	cgaagtctgt	68100
gcaggacaca	atctctacag	cagagacttt	gagcgacatc	ttccttcctt	cttcttccct	68160
tcttcagtaa	gtgaatggaa	acttcaggga	aatttttggtc	tggaaaatgt	tctgccttgt	68220
catttggtct	gaatatctct	tttttatagg	agagagtagc	tttatattct	ttatagtatg	68280
gggcatttag	cagttactgt	tggttttcac	gtttctccct	agtctgtgat	tactagaatg	68340
ggtaggcact	aactgctttc	ctcttttggtc	atgtgttata	cttaaggaat	gtagtatctt	68400
gctgtcgtcc	cagtgtgtgc	actcatagga	tctggtgcag	gttgtgtagc	tgcccctaga	68460
agctcattca	gtcctaattg	ggagaaaaga	ccctggcact	tggttagttg	agacccanaa	68520
cttctcaagt	tctnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	68580
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnttttagtt	68640
tccaagtgcc	actttactgc	aatgtgtcac	cacatccaga	gttctgtggt	tgtttatttg	68700
tctgtttttg	agacagggtt	tctctgtgta	gccttggtcg	tcctggaact	cactctgtag	68760
accaggctac	cctcaaattc	actgagatct	gcctgcctct	gcctccagag	tgctgctgta	68820
cactaccacc	acccatccag	ctttctatat	tggttttcct	atggcggtttt	aaaatagcca	68880
ttatacgtgt	gtttatcatc	taaagtccctg	gtcccaaaaag	gagatgagag	gggctgctaa	68940
ggtgaaaagg	attacaaaacg	cttatcaatt	ctgttcaaaa	attaaaacctc	agagtgggat	69000
tagctgtctc	tttctattaga	attgctatca	gaattcactc	aggccttggt	tgctgtgtgt	69060
attgaagaag	tctcttcttc	atcagggtcag	tgactcctta	gctcaagtac	atgcaatatg	69120
cagtattgat	aactgttctc	gcttaggaat	aaaaatagaa	ctgacttcca	cagggaatg	69180
atgtgctgag	ctgtagcaac	gaatcttgca	caaactctgt	cagcagggac	cagctagtct	69240
ctcgctgca	ggaccttcag	caacagggtct	gcatggccca	gaagcttctc	cgaaccggta	69300
aaccagggtga	gattggctcc	ctcgccctag	gcctcagccc	ttcccttggt	tatttttggt	69360
tcaccttgcc	ttactgagca	gtcctcaata	aatgactgag	gacttgaatt	taattatccc	69420
agcaccagcc	acaagatggc	tatgtaggcc	agtgagacca	gactgtgacc	agctgttact	69480
ctgggtgccct	tgaaagtctt	cctgatgggt	taagctgtgt	ctgctgcgcc	agatagttct	69540
agcagctcga	gcaccagaaa	ggctgtctga	cttccatggg	ctttgtgtgg	ctccagaggt	69600
ccaatgccat	catctgattc	ccagcttaag	gacctaagct	ccgagaagg	tgctctggcc	69660
tcagcagcag	cagcaagtc	tgagtgtctgc	ctgggtcgt	gggtgtgactc	aggagtagag	69720
ctcggtagct	agcctgagct	gagagctgag	agaaagaaaag	gactcctctc	ttttcagaaa	69780
gggatttgca	gaactcgatg	ttagaccctg	acatggtagg	aatctgtttt	gactattcta	69840
gcctagattc	tgaagttgac	ctttagccta	gagtcaagaa	aactaatgat	tacaggagga	69900
atgtagagtt	ggttggttaa	tggttggttg	aaaatggatg	ttagaagccc	agggtaaatg	69960
tgaggaagcc	tcatctaaca	cctctttttac	tgaaagagaa	aacataagca	accaacagct	70020
tccttggaat	gcccggctgt	tgactccgtg	agataaagag	gcatttttcac	tttgacctaa	70080
ccgatagaga	ccttgcaacg	tggtctctcg	tgctccaggac	tagatctgta	tctgttggtga	70140
ggcatttttc	ctttgaatcc	atagagcaag	ccattcagca	gttggtgcgg	tgccgggagg	70200
ctgctgagag	cttcttgta	gcagagcaca	ccgtactggg	ggaaattgaa	gatggcctgg	70260
cccaggccca	tgctacctta	ggtagtctac	cttaggtata	gccggagttc	tccttccctg	70320
ccgtgtgttc	agtgcggccc	ttgccttgtc	tgtttggttc	tctcttgcca	tctgaattga	70380
cgtctctctc	cctcccatte	tgcatctctt	gccccagag	ccttaggcta	atggtgtttc	70440
ttttccggaa	tgagacattt	ctcttctcac	agggaaactgg	ctaaagtctg	ctgcccattgt	70500
acagaagagt	ctccaggtgg	ttgaaactcg	ccatgggcca	tccagtgttg	aaattggcca	70560
tgagctcttc	aaactggccc	aagtccattt	caatgggtag	gcctttcttt	ttcctagtgt	70620
ttggccaggg	cacacagtgc	tctgtgtttt	cctaggtgct	tctgtgtatg	gcttttttgt	70680
acagtgtctt	aaagcatggt	gaaactcttt	tatttctctt	ttaggacaga	tatttgccct	70740
ctgcttcact	gatagacttt	aagctttgaa	ttccttccctg	aggatgtgga	gaaagccatt	70800
aggctctgcat	ggagacttccc	agggaggatt	tggaggcagc	ctcaccgcgc	tctagcattc	70860
ctgtctgctt	aatcacacct	cccttggtctg	cctcagtcct	tgctctctca	actccagggc	70920
tcggcccttt	ccctgggttg	cctcttatte	cttttaaagc	agtgggtttc	aactagaagg	70980
gattgcaa	ggcatttggtc	agtgtttaga	gacagttttg	attgttatgg	ctgccagcat	71040
ctagtaaagg	ctaaacctac	agtgcacagg	accgcctcca	cagtggagag	acccaagtta	71100
gctatgtgaa	ggctgagaat	ccctgctttg	gagattaaaa	aagggaagctg	agggaaccac	71160
tcagttggaa	gcacccttggt	tggcatgcac	aaggccctgg	ttctgtccct	agctctgcac	71220
aaaaaataga	atacaaggaa	gagtaaccct	aatgagtgtg	tccttcaccc	agtgtgccac	71280
tgaggtcact	tgaagggaag	tctagcccca	atttagtatt	ttttgtggct	gccatacctc	71340
cagccttgat	caaattctcat	ggtatacatt	ggtaagaaaa	aggggttgaa	acatagacct	71400
gatactcgga	catggaaaca	gtatgtttgg	tcagagagag	cgaaggacct	gatagacgag	71460
ggcaatatca	gagagagggc	atcagtcggg	ttagacacga	gcattccaca	gtgagcagct	71520



ctggataagc	ttttataaat	gctgggttaag	gttttgaatt	tgcccaattt	tgtcaggatc	71580
ccagagtcta	tcacaaacat	acacagtttt	ctcaaactctg	ctttgcagta	tgcccgtaga	71640
tgctctttat	ctatactttc	agatggtaag	accctgaggg	cagaggaact	cagacccttt	71700
gtgccccctg	taagaccctg	ggggatgcag	tggaccgcag	tttgtgttct	ctgcacagaa	71760
aggagtccac	tttcgttgag	actaaggaag	ggaactgaca	agcttccctt	tctggcttca	71820
ggttggcagt	gcctgaagct	ctgagtgcc	tctggaaggc	agaaaggatc	ctggttggtgc	71880
actgtggccc	tgagagttag	gaggtccggg	agctccggga	aatgaggtcc	tgcttactgg	71940
actcgtcatt	cgccccctgtg	gggccccctg	tgtagagcaa	tcatcctcac	cctcaagaag	72000
gagctctggt	gatgactgag	atggttctgtt	ggcttggagc	tctcatcaga	gaggacggga	72060
ccttcccacc	tgacctgagc	ctagtgtctg	gcacagagag	cacttgaaaa	cagattgaga	72120
cactcacctg	ccatgctggc	tgctgcttgc	aagagctaac	tgccctctga	tggaaacccc	72180
atgccagaa	aagactaaat	ccagtatcta	aaggctgctt	taaagggttg	tcactgcagc	72240
cgggcttggt	ggcacacgcc	tttaatccca	gcactcgga	ggcaggcgga	tttctgagtt	72300
caaggccagc	ctggtctaca	aagttagttc	taggacagcc	agggctacag	agaaaccctg	72360
tcttgaaaaa	ccaaaaaaat	aaaaataaaa	aataagtaaa	aaataaataa	ataaataaat	72420
aaagggttgt	cactgatctg	caggcagctc	atgctagcct	aggcttttgg	ctcgatttca	72480
tctcactaaa	cgatgaatct	gtttccctgg	aacattccta	tggtttctag	tagtaatgaa	72540
gtgctgtgtt	ccactccagt	gagaacttca	attcttagtc	ttgtattata	attgaaaaat	72600
aatatatagc	aagaaatcag	tatgactgct	tacctcaaga	gacatacaat	tccacttaca	72660
atatactgct	tccttaaatt	tttcattaag	actggtgata	tataatttgt	gaatggagaa	72720
ataaatacgt	cttactgttg	gcagtttctt	cctgggtagg	caactctgta	ttggtttctt	72780
accagtgtcc	taattcttac	tcagtggctt	tcattgagtg	ttcttggcac	tcactgtcca	72840
agcactgatg	caaggcaacc	ctgtagcatg	acttcatagc	acaggcctcc	ttgttagcac	72900
acctgaaagc	agaccactct	ggctgtttca	cttgacagaca	gaatcttact	ctgtaagcca	72960
gtctagcctc	aaacaacatc	ctcctgcctc	agccttccaa	gttctaggtt	tataggaaaa	73020
ggccaccttg	cccagcttga	gactgcttct	tactgccatg	tctcttcagg	ctcacacatg	73080
aagtccaggg	cactccagga	ggagccgtga	gtctgtctgc	agggcactcc	agggggagcc	73140
atgagtctgt	ctgcagggca	ctccaggagg	agcctgtagt	ctgtctgcag	ggcactccag	73200
gggaagccgt	gagtctgtct	gcagggcact	ccagggggag	ccatgagtct	gtctgcaggg	73260
cactccaggg	ggagccatga	gtctgtctgc	aaggcattcc	aagagcagcc	atgggcgtca	73320
tgcttggtga	gactgtgagg	ctacatctcc	agatgccccg	agtgtgtgtg	ttgtgagcac	73380
gtctgtctcat	ggtttccaac	tgagacagtg	ggaaggactt	tgcccccttc	cctaaggatg	73440
ggtagtaata	gtccagacca	caagggacag	atagctatgg	ggttttctga	ctcatcctta	73500
gtacattatt	gctgatgacc	agtttgtttg	gatgagttag	tgggaaagaa	gaccaagtc	73560
catacactct	gctttttaga	acttgctcat	cctagccatg	ccaaggagc	agccgttgac	73620
tgtcatggca	ttacagttag	gaaataaaca	gtcctgaagg	tgccctggcag	cagcttttca	73680
agaagctggt	gttaaaagac	agtattcaaaa	catctgcgga	ctgggaactg	ggcagcattt	73740
gagtctcctg	ctgtctgtta	atttaccctg	acaaggaggt	gacttgaaaag	gtttgttttg	73800
tttggggtag	agctttttca	ggaaaaaagt	ttagtccctac	agacaactct	atagttattc	73860
tagtccaaac	tcatagccttg	tgttttattc	ctaaaagccc	tgtcacactt	tgtaaaaatag	73920
gtgctcttcc	tcaaaggata	tatttaacgt	tattatatac	aggccttatt	ctgtgcatgg	73980
aagctttttt	tagatgcttt	gtaagatggc	tcagtggtta	agagcatgta	ctgctcttct	74040
ggaagtccctg	ggtttgattc	tcagcagcta	acaccagctg	ttattccagt	tcctgggatc	74100
tgatgccttc	ttctggccta	tgtgagcact	gcattgtcgt	agtgcacaga	caaatgcagg	74160
caaagcactc	atacataaaa	ctaaattcaa	aaaactcttt	cattgtctca	tgtgacctag	74220
cttgagaata	cctgtgctta	tattataatc	tagtatgagc	cagccacggg	agcaacacac	74280
ctattatctc	agcactcaga	agattgagac	tagatgggtca	agagctagag	tctgggttac	74340
aaaacacctg	tctcaaaaag	aaaagggtctg	aaaaagtgtc	tcagcagcta	agagcacaca	74400
ctgcttctcc	agagggcctc	atttcagttc	ctaataccca	caccgagtga	ctcaaccacc	74460
tgtaactcca	gggccatgag	atccaacacc	tctggtcgtc	tgcataagct	cctacactca	74520
attatacaga	gagagagaga	gagagagaga	gnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	74580
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	74640
nnnnnnnnnn	ntctagagtg	tttcagggtt	tttttgtttt	tttttttttt	gagacaaggt	74700
ctctctatta	tgctgcctgg	aactttctat	gtagaccagg	ctggactcaa	acttatagt	74760
atccactact	tctgcctctc	agtactggta	ttgaaggcat	gtgtcaccac	acccactac	74820
ttcaagatct	tagatttcca	aagaagccgt	agcctagaaa	aggttaataa	gtactgattt	74880
aaaacagaaa	gaaatcaggt	acacttagag	ctgtagaatg	tcagcatgtg	acatttgtga	74940
caagttgtca	aaactttgct	cttaattcta	aagagagaag	ctgtcaaaaag	acttgaactg	75000
gggctgttagc	caacttgggtc	gagcccttgc	atgaagctgt	gtgtttactc	cccagactcg	75060
tgggggtttga	attgatttga	acccagtata	ttcgtatatt	tgaatgttta	cctcatgggg	75120
aatgacatat	tacaaggtgt	ggccttgttg	gaggaattgt	caatttgggg	gtgagctttg	75180
aggtctctct	gctcaagctc	tgcccagggt	agaaaggag	cctcctcctg	gctgtctaca	75240

gaggacatag	tctcctggct	gccttcagat	caagatgtag	aactcctggc	tectccagca	75300
ccaagtctgc	ctgcacaatg	ccatgcttcc	taccatgatg	ataatgaact	gaacctctga	75360
aactgtaagc	cagccccaat	taaatgtttg	tctttataag	agttgccttg	gtcatgggtg	75420
ctcttcataa	caataaaagc	ctaactaaaa	cacattcctg	ctgggcagtg	gtgggtgcag	75480
cctttaatcc	cagcacttgg	gaggcagagg	caggaggatt	tctgagttcg	aggccagcct	75540
ggtctacaga	gtgagttcca	gaacagccag	ggctacacag	agaaaccctg	tctcaaaaaa	75600
aaaacaaaaa	caaacaagca	aacaaatgcc	agcatttggg	aggtagagtt	aagaagattg	75660
ggagtacaaa	gtcgtctcag	ctagtatgtt	tgaggccagc	atggaccaca	tgagacgttc	75720
tcaaaacgaa	agaaacgaat	gaatagataa	acatttgagt	gtccagtttt	ttccttttctt	75780
tcttgctttg	tttttggcgg	tgctgaggat	taaaccagg	accttgttca	tactaggcaa	75840
gcatttctcca	ctgaggaaca	ccctggcgag	tgcttagtct	gtctgtctgc	ctgcctgcct	75900
gcctgcctgc	ctgcttggtta	tgtgtatgag	tggtaacctg	catgtctgtc	tgtataccac	75960
agacatgcct	ggtatctgca	gaggccagaa	gaggatgttg	gatcgccctg	aactgggatt	76020
acaaatgggt	gtaagctgcc	atgtaggat	tcagaattga	acctgggtgt	ctgaaagagc	76080
agccagtgtc	cttggttggtg	gttttatttg	gggcaggagg	tagttatttg	gttggttggt	76140
tggttggttg	gttggttggt	tttcttgaga	cagggtttct	ctatgtagcc	ttggctgtcc	76200
tggaacttgc	tctgtaggct	caaactcaga	gatctgcctg	cccctgcctc	ccgagtgtctg	76260
ggataaagtc	atgtgccacc	aactccagac	aagcagccag	tactcttaac	cactgagcca	76320
tcattccagc	ccttctttgt	gttttgagat	ggtcacaaa	tacaactcag	actgagctct	76380
tgatcacctc	ccctcagcct	cctgactgct	gggggttaca	ggtgtgtcac	tgtcctcaat	76440
tctgagtgtc	agatcttgaa	aaccattctc	cgtgaccttg	atccttaaaa	caaaccctgg	76500
gagaatgagt	tctgataact	atttctcact	cctcttcaag	aaaaggaaa	ccagagaaa	76560
gggggggggg	aagccccaga	aacattgata	acttgcccaa	agttacacag	caaaattcag	76620
acagcctgca	catctcagtg	gccatctgtg	ccatatccac	cctgcccttc	tctgacctcc	76680
ccacctccat	ccctacagac	cttgcaagtg	agatcagagt	ccaagccgta	tcgtaagatg	76740
gccttaggat	ctgacatcat	ggggactctc	acggtcctgt	cctcgtccaa	atgaaaatcc	76800
tgaggaggctg	tctttctcga	gtcaaaactg	gttaccact	gccctggaag	gaaacagatg	76860
gagcatcctg	agccactgtc	cccagaaaag	ccacaggtcc	acgtctgtcg	tccactggcc	76920
aaagcaacct	gagctgtcag	cagcaagaac	acaggagccg	ctgggtccca	gcatgtgtgg	76980
cacagaccat	aggctccatg	caccacgggt	tctggctatc	ctcctgtagt	aaactcagaa	77040
ataagtgggt	gttctctctc	tgacttggat	caccacgtct	cttctgttta	aagtggcctt	77100
taatatgctg	gtgtgtggta	cgtgcctgct	ctcctgtccc	ctggggactt	ggagtaggaa	77160
gccccagggc	tttctcttaa	gttaggatcc	actcttgcta	ctactccata	agatggtcac	77220
aaagcaacgt	aaaatggaaa	ttaatcaaac	cattcctgcc	acaagaataa	aacagatctc	77280
aggggaggcc	tgtggaagg	tctcctgagg	ccttaccact	gtctagaagg	aagttgacag	77340
cagttcttga	gcaggggtgc	gactccagga	gttgggggct	gctctgagag	caggacagca	77400
tgtattgtag	agtgtctggg	agggagctgt	gttatcctta	ccgtgaagat	gaggacacgg	77460
gctcatgggg	gcagagccag	gattaaacct	ggtctgattc	aaaaagccag	agatctgtgc	77520
ccagccccac	gcagccattt	cactggtcaa	ctaattcaga	aacacttggt	ctgatatgct	77580
catatgctac	aagcactgtg	gccttcagat	ctccctctgg	cctgggtacct	gcattcaggt	77640
tcaccaccat	acacacacac	acacacacac	acacacacac	acactcggcc	agagacaagt	77700
ggggaagccc	tcacccttga	agtaagccac	gccaaggaga	aggatgctga	gggcactggg	77760
catttccctc	gtggaccggg	caatcttccc	tttcatctgg	gcctgcaccc	agttgttaat	77820
ctcctgaagg	tctactcgag	ggttgccctg	gaggatccgg	ggcctgggtcc	cataggactt	77880
ctccagaggg	gcaacaaagc	tggatttgac	tcgaagttct	tgagaggaaa	cagatcaaag	77940
atgagagctg	aatcagcacc	ctcactttga	aagcatgcca	gaccccagct	tcctgctcag	78000
catcttcctt	tgacttgctg	gggcatctgc	cggcttgccc	agaccctggc	tagggaacag	78060
tggattccac	cgtttgcaat	ccccgtccca	ggccctcctg	ctgtctccca	gagcccactt	78120
cctctttctg	ttcctctgtg	gtctcactgg	ctctttcctg	cccaccagtg	ccaggcctcg	78180
cctgagcaca	cacagcctat	tgtttagaca	tcattggaagc	atacagacaa	cccaggccaa	78240
tgaagcaact	tcacgccagg	cataatgggg	cgtgcctgcc	cttcagaagc	agaggcagct	78300
ttatgagttg	ggggaccagc	tgagactcta	tagactttga	gaggtggggg	gggggtgggg	78360
ctactgactc	ctctcaaaca	caattctgga	agcactcttg	aggttcttct	caggggcagt	78420
aacagaggca	aggagctcct	tgtagggtgt	gtggatgtca	gggttggtga	tcaggtcgta	78480
gtagagagcc	cggtgaatga	cagactctgt	tcgatgttca	gctcctgcca	gagagaaaag	78540
gatgccaaag	ttcataactg	ccgctgaggc	ccgcatcagg	atagggacgt	tagacatcaa	78600
tcctttttgt	ctctgagagc	ccgaggaggc	cgatattgca	gatgttttag	ctggacaaga	78660
tcttcagggc	gtggaaagaa	ataatgaccg	ccttgctagg	aagagctcta	agacagggca	78720
aggttatctg	agctacagag	agaagagtgg	gatgtgggtc	tgaagttctc	ccatcgtaac	78780
ctaccctgtt	ctgaggagga	gccagctctg	ctcacggcag	ctgtaccctc	agaacctggt	78840
taaatgacta	aaacacgata	ggaggccact	taaggaaacca	aggtcgagtg	ccacttacaa	78900
agtggtaggg	attgtgtgtg	tggcccccac	cgcccttttc	ctgttcctct	gacggcggca	78960



gcatggaaac	tctgagtggg	ggaaattcag	gtccacctgc	agccttcttc	agttgacact	79020
cacccagaga	aagggcagag	agggccgtgg	ccacgctgag	tggagacagc	aggacgttgc	79080
ccgttgggct	ggcactggat	ctcaggcggt	acagatcgta	gccgaagtgt	gagacagctg	79140
ctgccagctt	gttcacaggg	accttgaaga	aggggtcctc	ctcctccacg	ggctcgcccg	79200
tgtgtccgg	gactggggag	ccctgggtta	gaatacaagg	accagtaggg	aggcacagtg	79260
agtacatcac	ctcctgggtg	ggttgggtcct	ctagtccctg	gggccatgag	tctgaggtca	79320
gaatgagtgt	gtgctctctg	actccacaac	ctgtgtgctg	ggaggtgggg	agtgggaagg	79380
gcaacacaaa	agggcttgcc	agacctgaac	tgtggtctga	gaacctgaag	cctggccccc	79440
tttaaaataa	aacttgtagg	gctggggaga	tagcacagta	gataaagtac	cagcatgcaa	79500
gttcaaggac	ctgggttcag	tccccagagc	tgggcacggg	ggtgcatgct	tataatccca	79560
acactgggga	ggcagagatg	ggcaggctct	ggggctcatt	ggccaatcag	cctgaactaa	79620
tcagcgtatt	ccatctcagt	gaggggtcct	gtttcagagg	gcctgaggaa	tgactctggg	79680
ttgactacta	gcctactctg	tgtctgtttc	tgtctgtctg	tctgtctgtc	tgtctgtctc	79740
cacccctctc	tgtcccttcc	cctctgcagg	gaacttcttc	accaccacca	acccccaaag	79800
aaacccaccc	tcagaccagt	cttccctatt	cagcttgtctg	gctggctcta	gtctgcctag	79860
gttctgctgt	gacgccctcc	ctgtcttttc	tgacaagcca	tccccctctga	ctagacccca	79920
gaggaatttg	tcgttttctg	acctgttttc	agtgtcagcc	tcttccttat	gagactttct	79980
gcttttttgt	tttgttccca	gggcttttga	tcaaagctgg	gctcttacat	acgttaggca	80040
aatgcttggc	cacccagctg	tacctcccg	ccctgttget	tttcggtttg	gaggactttt	80100
tttttagttt	tctgtttggt	ttttggtttt	gattttttgt	tgtttgtttg	tttgttttga	80160
gacaggattt	cgctatgtga	ctctagctgt	cctggagctc	actatgtaga	ccaggctggc	80220
cttagattca	gagatccacc	tgccctctgcc	tcctaaagtgc	tgggattttt	agattttaat	80280
ctgtacctac	caacctcaaa	ggaagtgtcc	atggatagag	ttcagtacta	catcatgtgt	80340
gtaacatgtg	tgagggcctg	ggcttcaccc	ccaacagaga	agggggagtt	agtaggtgag	80400
gaataagtga	ctggctagtg	gcaagacagt	attgtctaag	gtcactaagc	cttaagccac	80460
acttaaagcc	cacaatccag	gtctaatatg	cccactctgcc	ttgtccttgt	gtgacatgac	80520
cccaccccta	cttccctccg	atagtggcag	ctcctctgga	tcctgaaagg	agagggaaga	80580
tattcttgtc	tcgatgttaa	agtaaccaag	gcctagaaga	gtgaaggcca	aagcccaccc	80640
tggatccagg	gctgcctccc	tgcactgtct	cttctgtgtg	cccacctacc	caccctactg	80700
acctcagagc	tgtctggggac	gttctggctg	ctgccgtgcc	cgagcagggc	tccagtccag	80760
aggagttaga	ccagggcctg	catcccggaa	ctacaagaga	aacaagagag	caaacgactc	80820
ccctcaccca	caccctcccc	tgccactgca	cattgcacac	tgcacagggg	caagagtcag	80880
gcagagttag	cccttccctc	ccctccagct	ctcagcccca	agtggaccct	tgacttgagg	80940
tcttccgtcc	ctgacctgcc	cctgcacttc	tccttgagct	gtgcccccat	gttgggtcct	81000
atcaggagac	ccaccttccc	atctaagctc	cagcacaggg	aagacccagc	agcaggctct	81060
tcaggcccca	agacaatgct	ctagcacaaa	cacacaccaa	ggcttttccg	tggaggcaca	81120
cggccagctc	ctttggtagg	atttggaacc	ctgtctcagg	atgggagcag	agcccaggtc	81180
atagacttac	agaacatctg	gtctggtcct	gctatccacc	aatagtcttc	tgaccaaaag	81240
ctatgttaaa	gacacacaca	cactttcttc	taggtaggtt	cttgtgtatg	tagcccaggc	81300
tagccttgaa	gttgacgta	ccctacttca	tttgctctct	gagtactaca	atgccagggtg	81360
tgagccatca	tgctgacttt	gactcccttc	ttctatttca	agagcaattc	ttagttaaga	81420
gggtatgaac	cagggccaca	ctgccnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	81480
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	81540
nnnnntctta	tttttagctt	gtttgttttt	cttacttgag	acctggggag	gggaggtgta	81600
tgtgtcttcc	atttgcttct	tctacctaatt	aaagtcttct	ggtgatgttt	gggggggggg	81660
gagggggtag	gactcaagaa	gggattctcc	cataagctgt	tccgtttggg	tagtactatg	81720
taaggaagtt	acaggtgggc	agagctcggc	tctgcctgac	tggcgtgctc	tgaggtaaag	81780
gtgagatggg	gcaagatttg	ggccctcagg	agttggctct	gttggccctg	taccttctgg	81840
tctgtgggta	aggatgacca	gtaggtgaga	gatgagggaa	ccagaacaga	agggtgaaag	81900
tagtggggcg	gagccccaga	ctagtccagg	gggggtaaac	tagatgactt	tctggaaccc	81960
caaggggctc	ggagactagt	ggtgttgagg	aagacctcta	atgtgttgta	aggcctctga	82020
actcagtagc	cgaacttgat	gccagaaagc	cccaaactgc	taaacccaag	caggagcggg	82080
acgccatccg	ttccatggct	tcacccgagg	tggcccatatg	gctgcgcca	tcaatgagca	82140
gccgagagat	aggggcgtgg	acaagccagg	aaaagttaca	gcacgctgga	aagataatac	82200
aggccaggaa	gccccaggca	cagcagggtg	gaaaagctag	atccccgattc	tgccggaggg	82260
gggccccctc	gaggtcccgg	gcaccgggtg	ccaggatcag	agaaactgac	tgaaacctag	82320
ctgacctgcc	cagaccatgg	catcctgggg	actccttgtg	gctggcgctt	ccttcacggc	82380
gtttcgggga	ctgcactggg	ggctgcagct	gctgccacc	ccgaaatctg	ttcgggaccg	82440
ctggatgtgg	cggaaacattt	tcgtttcgct	gatacacagc	ctactctctg	gagtaggggc	82500
gctggtcggg	tgcggaaactt	ggggactgac	aaagcactga	ggggcggggg	tggaaaagag	82560
ggcctggaag	actgaagttg	gaaccttttg	gaatggaact	ggtttgggtt	gtggatgggt	82620
gggagtaccc	agtgggagaa	tggatctagg	tctgggagaa	attgacctta	gctctttgtc	82680

ttctccaggc	tgtggcagtt	tcttcaaagt	gtcaccgacc	caattaatga	tcacccaccg	82740
tgggcacggg	tcctagtagc	agtgtcagtg	ggtgagtgta	cagaaaaggc	tgaatcgggg	82800
aaggccttgt	tggaccggga	attctaggtt	cctcccccat	ctttggaatg	gagcagatgt	82860
tgctggaggt	ttgctgtgag	gaattaaggga	cctgagaaaa	gtgggacttg	agatatctag	82920
gctgtgcatc	agctctgagc	gaggagcctc	atagtcttct	ccggtgcctt	caggttattt	82980
cgctgcagat	ggagttgata	tgctgtggaa	ccagacattg	gccaggcctt	gggaccttct	83040
ctgtcaccat	ttggcggtaa	gactctgaag	ggagaggcca	ggtagtaagg	gagcatgtcc	83100
aactcaaggg	cccaacctct	ctcttcagtg	ttctgtcctc	tgacttttcc	acaaagcccc	83160
ctgaaaacct	atcctctcag	acttggattg	agttggaggg	aggttttgac	tggctagcca	83220
ctcctgggca	ctgcccgaag	agtttggttc	tccccacaaa	cctccagctg	atcataaaaa	83280
aaaaaaaaaa	aaagccagga	atgaaaagcta	gggtatgcta	tgcaaatagt	gtggcttggg	83340
gtaagagaac	ctctgggtcca	gggctgctca	tgccccctag	ataagggtca	gcagaaaagg	83400
caggattgga	ggcagtccta	aaaaatgctt	gggtaataata	aagtgaataa	ataaaaaata	83460
aataaaatact	aattttttaa	aagctgatac	cttggaggat	gaggcagaga	gtagaaaaaa	83520
catgcgtggg	tgtccctagg	ataaggagct	gggacttggt	gggcacagg	catgcaaagc	83580
ctgaaccttg	aaccttgctt	gcaggtagtg	agctgcctca	gcaccgctgt	tgtgtctggc	83640
cactatgtgg	gcttctctat	ggtatccctg	cttctggagc	tgaactccat	ctgtttgcat	83700
ctacggaagc	tactgctgct	ctcccataag	gccccatcct	tggccttcag	agtaagcagt	83760
tgggccagcc	tggccaccct	ggtcctcttc	cgccttctgc	ctctgggatg	gatgagtctg	83820
tggttgtccc	ggcagcacta	ccagctgtct	cttgctctgg	ttctgctttg	tgtggctggg	83880
ctggtcaccg	tgggcagcat	aagcatctcc	acagggatcc	gaattctgac	caaggatatc	83940
ttgcagctct	agccctaccc	gtttatcctc	atgcacaagg	aaaccaagac	acgtgagcct	84000
gttgccagga	acacttccac	tctcagtcgt	aaagggtgtg	aagttttctc	ttctgtcagc	84060
ccccaggagg	gtggggctgg	gaagaggaga	tggtagccca	ctgcatagtc	tactatgtag	84120
caaggactag	actgtatcat	cagagagaga	gagagagaga	gagagagaga	gagagagaga	84180
gagagagaga	gaacattgta	tgagatctcc	attacagtca	ggaaatcagg	agatctaaat	84240
aactttaaaa	gtcccacagt	ctttacatat	tcttaaaatt	tcaatctctt	taaaatatcc	84300
atctctttta	aaattcaaag	tctttttaca	attaaaagtc	tcaactgtgg	gctccactaa	84360
aacagtttct	tccttcaaga	gggaaaatat	cagggcacag	tcacaatcaa	aagcaaaagt	84420
caatctccaa	ccgtccaatg	tctgggatac	aactcacgat	cttctgggct	cctccaaggg	84480
cttgggtcac	ttctccagcc	aggccctttg	tagcacacgc	gtcatcctct	aggctccaga	84540
tactgttact	ccactctgct	tgctgctctt	ggtggtcatc	tcatgggtact	ggcatctcca	84600
aaacgctgca	tgacccttct	agtcctgggc	cttcaagaga	gaagactaga	gcctggcaaa	84660
gtggcacatg	ctgataatgc	tagcacttgg	gaatgacaag	cagaaggatc	agaagttcaa	84720
ggccagcctg	ggctacaaga	gactctgttt	caacaaacaa	acaaacaaac	aaaccaaaaga	84780
agagaaagaa	aaaactggac	atgacagccg	gaacattatc	tgacattcat	aaggctcctga	84840
gttcaatgcc	aagttggcag	tgcctagttt	gataagggtc	tagccactct	ggtaataacca	84900
tggctgactg	aacacettac	ccagcaactt	gctgatagac	tctgccttcc	agcaaaaagg	84960
aggagcttct	ctgaggagag	aacattgaac	cctattgtat	atgaataaat	tgtgtgtcaa	85020
atgatttcat	cagtctcttg	tgaatgtgat	tgcttttgat	catttttctt	ggctccagtg	85080
ttatcttggt	gtgtggagtt	tgtggaagct	tgtggaagct	tgtggtggga	gggtttcctg	85140
ttaaggtttc	tctggctctt	ttctttcctc	ccggtttttg	ttttgtttgc	ctggtggggg	85200
tctctggtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	tagaagttgg	85260
cgggggggtg	agggggctgg	agagatggct	cagcgggtta	gagcgccaac	tgctcttcca	85320
aaggctcctga	gttcaaatcc	caacaaccac	atggtggctc	acaaccatcc	gtaacaaaaa	85380
aatctgatgc	cctcttctgg	agtgtctgaa	aacagctaca	gtgtgcttac	atataataaa	85440
taaataaata	ttaaaaaaaa	aagaagttgg	catggatgat	gtagtgaaga	ctggcattag	85500
atatctctgg	atccccctgc	ctctacctct	tagacactgt	gagtatggaa	gtgtaccacc	85560
gcaccaggcc	aggctagaac	attctctgat	ctacaaatac	ctagagtatt	attcctctat	85620
gatcagaaaa	cagacccagg	gggccacaga	aatgtcttag	taggtaaaaa	cacttgcttt	85680
caggcctgat	aacctgcggt	tttttgtttg	ttctgggggg	cgggagaggc	tggctggctg	85740
gctggcctgg	aattcacaga	gatccacctg	cctctgcctc	ctgagtgtca	ggtaccagga	85800
tcacagggtg	gtgccaccac	acttggccta	actgcctgag	tttgagcatc	agtactcaca	85860
tggtagtgag	gatagaatag	actctcacca	gctcttctga	cttccacatg	tgccctgcag	85920
catgggctct	ccttccccaa	aggaaaaata	aatgtaagaa	ttaaaaaaaa	aaaaaaaaag	85980
caaaccaggg	tcttgtgtga	tggctcagca	tcaaagctac	ctcccgcac	agctgaccac	86040
ctggtgataa	cttatagcct	tgttatgctc	tcctttgacc	tccacgggca	tgtgtacac	86100
gtatgtgtgc	ccacacaaac	acacaatcaa	gaaataaatg	cagccaggcg	aggtggcaca	86160
cccccttaaa	cccagcactt	gggaggcaga	ggcaggtgga	attctgagtt	cagggccaac	86220
ctggcttaca	aagtgtgttc	caggacagcc	agagctacac	agagaaaccc	tgtttcgaaa	86280
taacaaaaaa	aaaaccactt	taaatattat	ttttattttg	ttttgtttat	cctggaactt	86340
ggtctgcaga	ccaggctggc	cttgaactca	cagagatcca	actgcttctg	cttcccaagc	86400

acattaaagg	atgtcccacc	actgcctggc	taaagattta	ttttttcttt	ctttttgttt	86460
tgttttgttt	tgttttttct	aaaaaatttt	tttaaaaaga	accatccctc	ctagcactca	86520
ggagactctg	aagtcagggc	cagccaggtc	tactgagtga	gctctagggc	agccagggct	86580
ccacaaagaa	accctctctc	aacaaacaaa	caaaagagaa	cagacccaac	cagacctgag	86640
gacacacact	tgtaatctaa	gcccttgaga	ggctgagaag	ttcaaggcta	gccacaagtg	86700
tgtggtgcat	tcaagagcag	cctgggtggg	ctacagaaaa	agaaagaggg	agagagagaa	86760
tggttaatga	agatgactct	ggaaaagtga	aactcaagag	aaagcccctc	agatttgctt	86820
aagacgagtt	gaggggtggag	aaccgcctaaa	gcggacgagc	cagacagaga	ctgccaaaca	86880
agttcaatcg	gttcaggtac	attacttcca	aaacgccatt	gccacatcag	gatgcttcaa	86940
tcagccaaac	caacgcagcg	actattgact	tctgcatttc	agagacttcc	gtctctgtcc	87000
agggcaatgt	cacttttagct	ttccttttga	gaaaggaaaa	gtccctgcct	ctgatgtggt	87060
agatcctcac	acaccttctg	ccagatccag	acactgggat	gactcagcct	cggggagctc	87120
tatctacaga	gataagggtg	caaggcgtgt	gtgtttaaag	tatgtgttta	aaagtacaaa	87180
gtgagagtcc	ctggaaaggg	ctccctgccc	tcaccatcac	cgaaagcaca	aaccttaggg	87240
taatatctga	cattcctgga	aatgtatgta	tgtattcatt	atgtagccct	gactgtcctg	87300
gaatggggta	taaaccagga	tggcttcaca	tctcagagac	ccatttgctt	ctgcctccca	87360
agaactaaga	ttagaggcat	gcactaccat	acttggctca	tgatttactt	aactttatatt	87420
tatgttcacg	aatgttagcc	tgcattgtatg	tgtgtgcacc	atgtgcatgc	ctggtgcccc	87480
agaggccaga	agaagggtgt	ggtttgattt	cctggagatg	aagtcccaaa	caactgtaag	87540
cagtccaatg	tgtgtgctgg	agatgaaact	tggttcatcc	acaagagcag	tatgtgctct	87600
taactgtgga	ggcatatctc	cagcctcaga	tttcccagtt	aatgtttgct	ttcgcaccca	87660
ggccatctcg	cgcattgcctg	ggagacctcc	tttaccgcct	tgagcctcat	tggccaattg	87720
tggctgggag	acttgcagat	cccaagtggg	acaagagaag	aataaaactgg	tgtgctatga	87780
actcacctct	tctctgtagc	cattggctga	gcatactttg	cctcaaccta	ccgcccttcc	87840
ttcccctaatt	cctaaatctt	tgccctctcc	aaatgtgctc	ctcccccgca	gtaatccagt	87900
ggctgctggg	gctctagaga	gatggggggg	gggggagcaa	cgggtacagc	ttaaggcagc	87960
tgcagcagaa	cttttttgct	gtatatgtgag	tcttaaaaaat	tcatataaac	tttgtgttct	88020
gtttctaaat	ataaccccat	ctgtttcaac	acaaaatgca	acaacaaaaat	gtttcaaatt	88080
gctattttgga	ataattaaaa	aattttcaata	cttgatttta	aaatgcttta	acttttttaa	88140
taaatttttaa	atgttattat	ttttaaaaaag	ttacaagttt	aaaaaaaaaga	aagatagaaa	88200
tcacataatg	aaatttaacca	tacgcaagtg	aggctcgggtg	cactgggtaca	cagttacagt	88260
agccatttgg	agtgagggcc	atggcgcttc	acattgaatt	ttatactttc	tttatagaat	88320
attttttatg	cacctatcta	ctactgataa	caaaacaccc	atgagagagt	tagaattaga	88380
catcaattag	ctttgatcct	ctgtcataac	tcgtgtccac	tccttgccct	agtcctacct	88440
catccctgtc	ctctttttcta	catcttatac	tgaatccaca	cactcagttg	tttacacaaa	88500
cacatacatc	actgtccann	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	88560
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	88620
tgccctggctc	tgtttttgcctg	ttgtttgtttt	tgttttgtgtg	tggttttaga	tttggtttgg	88680
tttggtttga	ttttgttttt	tttttagagaa	tcttactatg	tagctcaggc	tgtccttgaa	88740
ctcacagaga	tctctgtgct	ctgccttcca	agtgtctgaga	ttaaagggtat	acaccacctt	88800
acctggcccc	tttcatctat	ctatctatct	atctatctat	ctatctatct	atctatctat	88860
tatctatcta	tctaaaattt	atctgtgtgt	gtctgtgtgt	acattcccca	gagcctgtgt	88920
ggtagtcaat	aagtaaccct	cagaagtggg	ctttctctaa	tccttggaac	aaacttgaat	88980
tgtaggctt	ggtagcaagc	atgtttaccc	actgagccat	ttatgacccc	atggcccagc	89040
atcttccatg	ggttctgggg	acacaaatgt	gtactttgat	gtttacagga	caagcgctta	89100
accaaccaag	tcattttccc	agccccatcc	tgactcccat	taagtgttct	ttcccccaac	89160
ccaggaccaa	atctagagga	gtgtccatgc	ccaacaaaca	ctctgccaaag	cctctccccct	89220
tactgctctt	ctcccttccc	ttccttcatt	tcttcgttcc	ttcttttctt	tctttttgaa	89280
acaggtcttt	tctctgcac	ccaagctagc	cttgaacttg	tgatgtagct	caggctggct	89340
ttgaactcac	agctgtcctc	ctacttcagc	ttcccaacaa	ctgggattat	agacctatgc	89400
taccacacct	ggctcatttt	tcaaataaat	aaaaagaaaa	tcaaaaagt	cctagaacag	89460
tcacaggatt	cacaaaaact	ttggaaggag	actaaaaatg	gattttttaa	aaatgcttga	89520
agcaciaaaga	gttgttgaaa	gaagagagaa	gaggaaaagt	tagcttagta	ggtagaagtc	89580
aatcaagcct	cacaccctga	gttcaattcc	tgaccctatg	gtagaaggag	aagagcaatg	89640
ccggaaacat	tatcctctga	cctccagacc	cgctgtggca	cgtgcatgca	cacacacaag	89700
caggagccct	tggagggaag	tcctagaaat	gaatcttact	gaagcaggct	tgccaggccc	89760
tgtgctcagc	cattttatatt	ttcctttgtg	taccgcagac	gcttccattc	tcaaaagtgt	89820
gagtctgaga	ggaagtactc	actgtgtccc	cagtgtgact	ctgtcttacc	ctgggtcact	89880
tagatggggg	cacttagtgg	tagccttggt	gtggagaaaag	agaacacagg	tccgagtagc	89940
cagtagacct	gagtctttat	atctgcaaaag	gggtgtgggg	cataatcaaa	tctccccccc	90000
tccccggggg	cctgatacca	ggttgtatta	agtgtatgtg	catggtcctt	ccaagtcttg	90060
acacatcatc	caactccaag	tggctttctc	atttttcctt	gccagtagcc	tcttggtgag	90120

gaaatggctg	aggaaaacag	agttgcagaa	agacagggcc	atggcctggc	tgcaggcttt	90180
ctctgagctc	gaagaggggtc	agcgactctg	agaaatgaag	ctatttctga	gtgagagggg	90240
ccaaagaagg	aacacggcag	agggagagcc	cccgaggaga	tggagacaga	agccgggagag	90300
ggaccctgtg	cgaggctgga	ggggaggaag	aggggggagg	agtgagaccc	actgtcatct	90360
gttgggcaga	gaggggctac	attcatctgc	agtatgggtg	agaggggaca	gagagtgatg	90420
gtaacaggaa	aaatttgggg	ttgagggggg	cagcctgtag	ggctgggccc	cagcagtgtg	90480
cagctaggta	gagtacacag	taactcccag	aattctctgg	ctccactaaa	tccctgttcc	90540
gctccgtgca	gagtaaaacc	cacacagggg	gyattttcag	ctcctttgca	ccccctcca	90600
ccccccctcc	acccccagct	ctggtcacag	ccagtcagag	ttgggggtgg	ggcagatctt	90660
gtaaaagagg	ctgggtgagga	catcggaag	tctgtaccct	ccactagcaa	agtgccagac	90720
gctccgtgac	acttttaaag	cctcagataa	aacagtgaga	gactctcctg	gtggcaggca	90780
agatgatggg	tcaggggacct	cagcgcctct	gaggctcaga	caccaggata	aagaataaaa	90840
acaccacgga	gacccctgtg	acccctcctg	gcagagggag	aatgccaatg	tggcccagct	90900
agctgctgga	gcgcaagcct	caaggcctgt	gctagtattg	agtctactgc	tgtgtccttg	90960
tcccaataaa	cccccttccg	cccaggatta	gtggacacgc	cttgctcaag	ccgagtccct	91020
gatctgccac	cttatcacac	acatacaaaa	atcccttgag	gatgggtacc	atcctgggac	91080
aaagcctcat	tctctgctta	acccaagtga	cacctatatg	gcagatccct	gtgtccttct	91140
cctgatgata	acaacccttg	caatccaata	gaggggaact	cgggtttctg	tcagcttctt	91200
ttatgctgat	agaaatgtac	tctgcatgtg	gggagcctgc	cttgctcacc	ctgagacccc	91260
atggggctgg	ctggggcttt	gcacatcatt	gggactcaga	gatgttgact	acatgaacgt	91320
cccacacttg	gttgacacaag	gcagaatgac	aggatgttat	gcctgggtgtg	tgagtgtgtg	91380
tgtgtctctg	tgtgtgtaaa	acgcctctct	ctggagccct	cctgtctgtc	tgcctcttgt	91440
tcaatggctg	cacaattgtc	ctttctcttt	ccaaggacct	ctgtatgggt	gtgtccttca	91500
ttcagtgcct	ttcctctgtg	ggtttgcct	gctagccccc	tgtcactgag	aaagtcttct	91560
gtctgtcctt	gggttgtctg	gctagaacac	agacatcatt	gtcttttttt	tttttttttt	91620
ttttttttta	agatttatatt	atatgtaagt	acactgtagc	tgtcttcaga	cactccagaa	91680
gagggagtca	gatctcgtta	ggatggttgt	gagccaccat	gtggttgctg	ggatttgaac	91740
tccagacctt	cggagagagca	gtcgggtgct	cttactcact	gagccatctc	accagccccg	91800
acatcattgt	cttgccccacg	actgctctcc	agaatgggtg	gcaggaggat	gtgaccccc	91860
acccccaggc	accgggacac	aacatcttct	acacgttag	gtcttgtgca	ctggctttgc	91920
tttcttcttc	caagcaggtc	tcccaggaaa	tggcacttac	agagattgaa	gagtttaata	91980
catgtctcgc	tgcctctctt	ttcgggaacc	ccccagaggg	agcagcagaa	accagggtctg	92040
gcaggggctc	taagctgcct	gggcaaaagga	gcagggggta	gcatggagcc	ttagccaatt	92100
tggaaagcac	tgtgacccaa	gcacattttg	cagcagtaat	gtcaaattct	gccgttcagg	92160
catgccattg	atgtgcacgc	tgccacacag	aaaccagtga	cacaaaggca	cagccttctc	92220
caccctcctg	gtgcttagga	actaacggct	ctaattgagaa	atgagagctg	aaaggagaga	92280
gacggggggc	ggccacagca	gcgcaggctg	gcactgcgtg	ttggaggagg	ctgacccact	92340
tctcgtagag	gtaagggggc	cactgaaaatg	tcacttaaat	tagccaccac	tcccaacact	92400
agatctcctt	tgtccccata	cctcagcccc	acgcttcttt	ctttttttct	tctttttctt	92460
ctcctctggg	gcagcctcaa	gccagcacc	cacttttttag	agctgtaaac	caccctgggtc	92520
ctagaagccc	tcttagctta	ggggatgaca	ggaggtagag	atcaggaagg	agggagggag	92580
gggaggagga	aaggaaaagg	gaggggagag	agggaaagag	atcgagagag	catgcattca	92640
tcacaaagag	ccctcttttc	tggctttttg	actgcactgt	gagttattta	gccaacaata	92700
gatgtttatg	tattttttta	gaaccctgat	ttattaacag	cctgaaagga	gagagacgga	92760
gatttatata	ggaagtgcag	tgagttaagg	ggggcaatta	agagagcaga	aagagatacg	92820
gaacacagac	ttgtaaaggg	ttttgttaaca	tccaatcaaa	ggtgcttcag	gtattttcca	92880
aggaagcaga	aggtaaaaaa	aaaaaaaaat	tgtcccatta	gaagctgaca	ctggatggag	92940
caatggccca	ggcggaactc	ctgcttgaag	gaaggtgaga	agggagggag	acagaccagg	93000
atccgatgag	ccagagtgtg	gccatagctg	ggctcatgag	cccagggttg	gaaggacccc	93060
actaaagtgt	gcactggcct	ttccttgaca	aaggatgcac	ctatagctag	gcgtgggtggc	93120
aagtggttgt	tattctagta	cttaggaggc	tgaggcagga	ggatcaccat	gagtgtatgc	93180
ccagcctgga	ctgcatagca	acaccagtt	tcaaaataac	aacaaaagga	agtgggggtg	93240
gggagggcaa	catttggaat	gtaaataaat	aaaacatttt	ttttaaaaaa	agaaaggggc	93300
tagtgagtta	gttcagcggg	taagagcgct	gactgctctt	ccgaagggtc	tgagttcaaa	93360
tcccaacaac	cacatgggtg	ctcacaacca	tccataagga	gatctacgcc	ctcttctggt	93420
gtgttttaaag	tcagctacaa	tgtacttaca	tataataata	aataaattct	ggagtgaggg	93480
ggccagagca	agtagagggtc	ctgagtttaa	ttcccagcaa	ccacatgatg	gctcacaacc	93540
atctgtacaa	ttacagtgca	ctcatataca	tataataaat	aaataaatct	ttaaaaaaag	93600
aagaaagagg	gtggggcagg	ggaggggaaga	agaagaaagg	taagaagcta	aataaaaggc	93660
acagagatga	gcttcatgtg	gaaacacagg	cctgtagtcc	tggcactcag	gtgggggttg	93720
ggggggctac	agtgaagagta	tcatgagttc	aagggtcaact	tgggtgagac	cttgtctcaa	93780
aaaatacata	ngcnaaaaaa	aaaaaaaaaa	acatagccag	gcatgatggt	atacatttat	93840

agtcccagca	cttagaggac	tgaggcaggg	cagaaagaaa	aggaattcaa	gatcaggctg	93900
agctgtatgc	agtcctgata	ctatcccctc	cccccccccc	ccagagacag	acagacagac	93960
agacagacag	agagaaacac	aaagaaaggg	gccttcagat	ggctcagcaa	ttaaaggcgc	94020
ttgctattca	gaccccatga	cctgagctca	aagcctggga	cccaaggtag	aaggcaagag	94080
ccaactccac	agagctgttc	tatgatctct	atatgaatgc	tggggcatgt	gcctacacta	94140
tgttgtgcac	acatgcacag	attagaaaaa	gaggaggaag	aaaaacataa	gattgtttca	94200
agaaaagaaa	ggctggcttc	ttccacgtca	gtgtgagagg	agggctctggc	ccctttgtag	94260
ccaggtcctt	cccagtcacg	tgggggctga	actgaygcag	cggaggaggc	aataacggag	94320
ctttcccaac	gcagtgtcca	gcaaactcaa	ctctacagcc	tgtcctgatc	cacagagaag	94380
ccttcctggc	tccctcacca	atgcgggggc	attggctccc	aggctcctgg	gcccccccc	94440
acacctgtgg	agtgttaggt	gatttgctaa	tgttgggcaa	catttgccca	cgtgggggtt	94500
ttggctcttt	ggtaatagac	atgcctagca	ggagggcgga	gcttggaggg	gggagtcctg	94560
gggttgcccg	tggctccctg	cagctggggt	gtctggccag	ctgaagaagg	agccatggca	94620
cgcataatggg	agagcatgga	acagaggctg	tggatgctaa	gcaatatggg	aggcagtcta	94680
agcttggaag	cagcaggtgt	ctgggaacgg	gcctgtggcc	caggcagatt	tccagtgcgc	94740
actccagttt	tttggcacia	ggaacaagct	ggctgagccc	aagaggcaag	tggtgataat	94800
gaaacccgca	gttgaggaac	agcgggtaag	ggtgccatgg	gagcccatgt	gctcatgaag	94860
aggctggggg	gtgaagaaga	gccccatgcg	ggaagccaca	catccccctg	agttccaggc	94920
agaggcagag	tccctgagtg	gggctccctg	ggtctcccct	tacctaacca	gtctcccggc	94980
accccagcaa	acaaaatccc	atccataatt	tgaggtttat	agagacctca	aaggctgagc	95040
tactgtgtgc	cactaaccat	cagcctaacc	ctcccccat	gtcttctcta	gctgcccctc	95100
tttcttctga	gactgtgata	gtggcgggga	cgggttggga	gtgtgtgtga	agccctctcc	95160
gactctccaa	ccccagctga	gccccctggt	ctgcagctca	gtaacacagt	aacacaggct	95220
cagttctaca	ctgggtgaga	acactcacgg	ctctctcagc	tccttagaga	gcctgttttc	95280
tcattttcct	gtcccccagg	cctagacaat	ggctgggtcca	tttgtaagct	tatctgagga	95340
tgccaggggc	caccccatgt	ctccactagg	ctggcaatgt	tctctgtcac	tgtagtacag	95400
aagactgcct	ggtgggaggt	gagataagga	aagggatggg	ctccccctgg	gttcccacac	95460
agtgtctgagc	ggaaaatggc	agaatgggct	gggaggtaac	tctgtttgcta	gagtacttgc	95520
ctagcatgtg	caaggaaggg	cctgggttcc	atccccagca	ctacagaacc	caggcgtggg	95580
ggttcatgtc	ggtattctca	acattcagga	ggtacagtca	ggaagagcag	aagttcaagg	95640
ccatcctcag	ctacatagct	agcttgagac	cagcctgggc	tatgtgagac	tttgtctcca	95700
acaaacaaca	acaaagcagc	agaagggcaa	ctggcaagag	gagtattacg	ttaaagtaaat	95760
ccatctcaaa	aagcaagtag	catgtatctt	ctttcatatt	tttttacatt	ctataaaggc	95820
ctatcaagtc	atgtatatat	gcatgtatgt	ttgtatgata	tgaaagtagg	gggctggata	95880
gatggctcag	cagttgagag	cacttggatg	ctctttcaaa	gaacctgggt	tcaattccta	95940
gcacccacat	ggcagctcac	aactgtctgt	aattccagtc	tcaggggatc	tggcacccct	96000
acacagatat	ccacgcacat	aaacaccaat	gcacataaaa	taaataattt	ttaaaaaaag	96060
aaattggaag	taaaactctc	taaggagaca	aaagggactg	aggggaagtg	ggaggggcat	96120
gaagggggag	ggcataggtg	tgtgggtgtg	ttaacatgca	gaatacactt	ctataaaagc	96180
tttgggggttc	attatgcaat	gtatacatgt	gtgggtgcaa	gatgtaagct	gtgcatatgt	96240
gtggggggcca	aaggtctcct	cctcaatccc	tctctgcctt	attttcattt	aaattataat	96300
tattactatt	agtggtgtgt	gtgatgtgtg	tgggtgtgtt	aagccctcac	ggcaatcaga	96360
ggatgtctgt	ggtctgagga	tgtctctcta	ccatgttctg	gtgggttctg	tggatggaac	96420
tctggtagtc	aggtttgcaa	agctagtgtc	tttatctgcc	gagccacctt	gctggccttc	96480
aaccttattt	tttgcatgta	acatggaact	tcctgagttg	cctggacagc	aagtcccca	96540
gaccctcctg	ttcctgcctc	ccccntgtcn	nnntcacang	aggacacacn	gcttantggg	96600
tnctcggatt	gctgcncacc	tccccgcnc	ccnagcctcc	tgcctccccg	cccctcgcct	96660
ccgctggnc	ctcccccccc	cccccccccc	cccccccccc	cttccccccc	ccccnnnnnn	96720
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	96780
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	96840
agctctaact	gctgttaaat	tcacactcct	tcacatcccc	acgctaggac	tctaaggagg	96900
caccagcaag	gcccagggtc	agcttgactt	agagcaaagc	atcctcccc	ctccacacaa	96960
tggaaacgga	cggaaagggg	catggaagca	gaaccagaca	acagcagcct	agccaagccc	97020
aggactctgc	tccttcccc	catgcctgcc	gtgcaactgg	ggaggcaaa	ccccagccgg	97080
tgctttctga	ccgcttagcg	gaagacaagg	ggagcctgtg	attatgattt	ctgctgattt	97140
gcaatgaaac	actaatgcag	tgggcttttc	attaagccag	atttattcaa	tctaaagatt	97200
ttatttcctt	tatgtagaaa	gtgcatcttt	atatgttgtt	ggaggagcag	agatgtgata	97260
aaaagaaatt	tctcttatga	actaatagca	ctgatacata	gtggtagcta	tgcctaggcc	97320
tctctctctc	tctctctctc	tgtctcctgt	gcgatgtgtg	gtgtgtgtgt	gtgtgtgtgt	97380
atgaatgcac	acaaagtagc	cccccccat	attatttctt	ctgtgggatc	tccagactca	97440
gcaaatgggtg	gtgactggga	agtctggcca	tgcaattctt	gccttttctc	ttgccagccc	97500
aatccctttg	cattcaaacc	cgggctgctt	gctgtggcca	gccctttcac	ctggagtcct	97560

tcctcctcct	tacctgtctt	cccatccttt	gcagacaatt	atcctcaata	actagccaat	97620
tacccttaag	gacaattata	ctcttccatc	agcaaacacg	ggtgttcttt	ccttgagtct	97680
tttgatgaag	tcgatattaa	agagatgctt	tattttacata	aagtcaaata	gctccctttt	97740
agaagggttt	gggttcgatg	tcaaagtttt	aaaatcttaa	ctagaggatg	ggtgtagagg	97800
gcttttggct	agggtagaaa	agagatggag	atacttatct	tgatgttgct	ttaaaaggta	97860
ggatgcccag	agaagggtga	aggatggggg	agggagggtc	cctcctcaag	ctaataaatc	97920
taaaagcagg	gatgagctgg	gcgctaggag	tggaaaccagt	cagaagtgtc	tgcctttgac	97980
tgaccacagc	tcctgccctc	ccctccccc	gtctctctgt	gaaccgccag	cattaggagc	98040
taatcgcttc	agaaagccag	attggaatgt	gttgctcacc	ctccactgct	cagaaaaacct	98100
ttattccagg	caaggactga	cccaaaccga	tcatggcatc	tgccaatcag	gaggccaaag	98160
gtgccggcag	ggcgggacct	agctgtgcag	aaacagctcc	gttatggcgc	gcagaaaaag	98220
ctggggggaa	aggctaccgt	tttatctctt	ggcagatggc	ttctctcttt	gatgctttgg	98280
gccttacctg	ttactgcctg	cacttgactt	gacctaggca	aaaatagcag	cgagatacag	98340
gttctcgaag	ttagaaggaa	aaaaaaaaag	cccaaacc	caacacaacc	cggaagtgtg	98400
ccccgcctgt	gtttctaaag	agctgttttc	ttcccaagct	ctacagcgtg	gtggctctaa	98460
tcggaaatct	ctttttaatc	atagcaggag	tcccaattag	cgtgttggtt	aatctttcaa	98520
gtagagtggg	agttccgtgg	ccacagagag	cagaggcaat	attcagcata	aagccctaga	98580
gaaagagggtg	ttgtgggcct	gtgcacacat	gtgtgtcaac	gcacatgtgg	cttggtggagg	98640
ctggcttccc	actctcaaga	tgaggtgtgt	gcaccccgag	ccttttgatt	ctcaaagctt	98700
tattaggacc	agagggactg	tgtgtgtgga	ggggtgttgc	tcacagtgca	gaaacccaaa	98760
cctggcttct	ccaggagccc	acatgccaat	aaacaggctg	cacactcttg	ctagtacatc	98820
ccctaaagggt	atggggatga	gggaccaagt	gctttgcagg	acagcaggca	cagagttctg	98880
ggacgctcct	gtaccccaga	ctcagccgcc	accaggggcc	agctctgatc	tggtctgacc	98940
tactttcttc	tggtgttgtt	tttggaagtg	ctgatgtcaa	tgcagaattc	agcagagtgg	99000
ctgagtgaga	aaaaagagga	gagggaggaa	aagggggggg	ggacgggacg	ggccgaggcc	99060
aacaggaaaag	ggcaggcaac	aagacaatga	ccacaagggtc	cctgtaacta	cactaaactgc	99120
ttacctttcc	tgacccccag	ggcttagcca	atatagctga	gacccagtct	tggtgtctgtg	99180
gcttcaggct	aagtaaacag	ggaagagtgt	gacatgggtc	tccattctct	ctcctcatcc	99240
aacaagggga	ggaggcagtg	gccaggcgag	catgcccacc	gatgccatcc	ttctgggagg	99300
agccagacat	ttcaggcacc	tctccttccc	tgggtgccta	gaggtgctgt	gtctgcaccc	99360
atctgccatg	cctgccatct	gagagaggcc	actgggactt	ggtagagagg	ttctccacac	99420
atgctggcct	ggaggaaatt	ggtctttagg	gacactgaag	gcagtttcc	ctgttcagtgt	99480
gctccttga	aacccacgtg	acagagctcg	catgacaact	tgccggctct	caactcccat	99540
tcttagctgc	ctcaagcact	gtaagggtta	ggagagcccc	agatgtaagt	atggatggga	99600
agaccctcca	gggagtcatt	gcctaccctt	ctgaactcta	acatgggtcca	gcttttccat	99660
tccacaattg	aggagacgcc	agacctggca	ggggagcaag	cctttgtttc	tgacccattt	99720
gcaaacccca	gccactgagg	aacttgcata	caagaaactg	cctctggggc	tctcctggac	99780
tgagccctgc	ctcccagggg	acaactgggc	aacagatcct	tccaggtggc	tgcagtgaca	99840
gatccatgct	tttatgacat	agaaaggcct	cagctcagg	atttcacaca	ctgtatttcc	99900
ctcatcttgg	ggaccaggga	aggcgagcat	cttctgtccc	ccccaaacaa	gtgtgggaat	99960
gattaaaatc	atgttttttt	tctgctccat	gaactcatac	agttttcaga	taccgaggag	100020
acaaagccct	cctgtgctga	aattagaccc	cgaaaaatag	gttagctgac	aattacttgt	100080
ttctaagtgg	agtgtgatgt	agtggcagga	gcgcaggatg	ggctgccagg	gctgcagtct	100140
cccccccccc	aaacttactg	tctcttaacc	tctcgagtcc	ctgggtttct	tgccgggatg	100200
ataattctcc	ccatctccct	cctctggtgg	gctggtggaa	agcgtaatga	atcaacgctt	100260
gaagcacgct	gaagaggcca	gactcgggat	gccatgtaag	tacacagcat	cgccagccac	100320
ctctcaagtc	tacacggagc	tgatttattt	acctcccgtg	aaagagacaa	caatcatcat	100380
atttacactt	catgccgcag	cttcctgcgt	ggcacggcag	cacccctccc	ctctccgctg	100440
ctgaggactc	catcaagcac	gctgccttgc	caggatgaca	gcagcccact	ctcagcctct	100500
ccctggcctc	cttacagatc	atgacctcct	gccccgtgag	gtctgtcacc	cgaaaaccac	100560
ggtacaccgg	gggctgcagc	ctctctatgg	gggaggctga	ggaaatgaat	tccgtaggta	100620
aaaggcttcc	taggaaatca	gacgctgcta	gtaattaagg	agcgaagcat	aggtgcgtga	100680
aaggtaaatg	gatgttattt	aaatgttgcg	tcattttaag	agtgtcctgg	tgcttcagt	100740
ccttgttacc	atgcagggct	gtggacgggt	ggcaattagg	ctggcacggg	tagagctcac	100800
ctgctgagct	gagggagggt	ggggacacac	cttcgggtaa	ttgctgctgg	gcagctctgg	100860
gtctccccac	ccccgcccc	gcccctcact	cccaccccc	acttctttcc	tgacagctct	100920
ttcatttgca	gcagcttaca	gggcttggtg	cccttacc	gaaaatcacg	ttggaagaaa	100980
tataagaaaa	agaggaatga	aagagaaagc	cagaaaagtt	catattaggt	tcggtatctgc	101040
ggccaaacct	ggccgagaga	atccatgacg	gtccgcgcgc	atataaccct	gtggcaacag	101100
ggcccgccac	aacaggggcc	gccacaagag	cttcttgagt	tgccacctgc	caggagacag	101160
gatgaatgaa	tggatcatct	gtccttagag	cacaagccag	gcctgattct	ccaatattga	101220
tgtgtgaggg	agatgtcaac	agaggttccc	taaagaatga	tgcttctatt	tccatgctaa	101280



tcctggggcg	tcagcttcag	tcggaacagc	cggaccgtta	ccttagctct	gctgttctcc	101340
tgtctgtaac	ccgcagaggg	aagggcgggg	tcacccagca	ttgccactcc	ccccaccctc	101400
acgtgggtcca	gacccctctt	gggttgatct	gctcctgaaa	aacagtgttg	gctcaagttt	101460
gcctctgaag	gtatgtcacc	gctggctcag	ccagctttatc	tccccggtgc	tttcaagatc	101520
aaaacaccca	aacgaaagaa	aaactttgtt	tcaagagcag	agtgtgggtgc	caactctgat	101580
caaagtgttt	ttcagcatga	caactcactg	cccgtgacaa	ccagtacttg	gctgttggtg	101640
ctcagagtga	gatgctggag	gaagtggatg	acaacagctg	tatccagggtc	caaacagagt	101700
agattcacgg	ctggcagaaa	atggctgaga	gccttgggct	gcattccctcc	tccccctctg	101760
cctctctctc	ttttcaaggt	ggtttttggg	aatgtccttc	ctgtgggttg	tgtgcctttt	101820
ccatgtagga	cctggggcct	gtgcagatgg	ccctgtgttc	ctgggtgctgc	tggtgagatg	101880
tgaacgagtg	ataggaaccc	aggcactaaa	cacacaatgt	gggtgtatct	gactagaagc	101940
aaggcaagag	caggaggcat	ttgagggtaa	aggagtgtaa	ggactgtgta	aagagatgag	102000
ggttctatct	gggaggcagg	agtcccaatg	ccagcaaata	caatggactc	tcctgggtcga	102060
cccaaccaga	gagaattcaa	gatggcagag	ggacaggctg	tctgagtttc	ctatggctgc	102120
accgataaat	ggtcataagc	agagtagagg	aaaaccacag	acagaaattc	atgccattga	102180
gactagaaat	ctagctcaag	gttgtgtgtg	gcagggttgg	ttcctgggtg	ttcaaccttt	102240
tcacactgtg	acatgatgct	gtggctctga	gatgtgttgg	gctgcatcca	tagctaccct	102300
gggacacatt	catggaccgc	aggttacaca	tgctatttaa	aaactccaag	ggaagggtcta	102360
gagaaatggc	ctggtagtta	agtatgcttg	ctgatcttcc	agaagacctg	agctctgttc	102420
ctagcagcca	tggtgggcag	cttacaacta	actatgactt	ctgagctcca	aagctctctt	102480
ctaatacata	catacatata	tacatacata	catacatata	tacatacata	cgtacacaca	102540
cacacacaca	cacacacaca	cacacacact	ttaaagaaaa	aaattctggg	ttggagaggt	102600
ggctcagcaa	ttaagagcac	tgactgctct	tacagaggtg	ctgagttcaa	ctctcaacca	102660
catggtggct	cacaaccatc	tgtaatggga	tctgatgcc	tcttctgggtg	tgcgctgaag	102720
acagatacaa	tgtactcata	tacattaaat	aaataaataa	gaaagaaaga	aagaaagaaa	102780
gaaagaaaga	aagaaagtgt	aaacgaggaa	aattcctaata	taaaaaagaa	agaaagaaag	102840
aaagaaagaa	agaaagaaag	aaggaaagga	attctgaggg	agaatctgcc	ccttttctcta	102900
acttccaggg	ctataggcaa	cctgtggcct	ggggaagctg	tagacaacct	gtggcctggg	102960
gaagctgtag	acaacctgtg	gcctggggaa	gctgtagaca	acctgtggcc	tggggaagct	103020
gtagacaacc	tggtggcctg	ggaagctgta	gacaacctgt	ggcctgtggc	agcatcatgt	103080
caacgcctca	ccctctgtgc	ccaatttccct	gttctctaag	gacacatgcc	atcaaatgca	103140
taggacactc	tacatcaaga	tgatcttgtc	tcaagatgtt	taacaaaatt	acatctgcaa	103200
agacctatct	ttacatgtga	ggtcactcca	caggttctag	acatattttt	gaggagccac	103260
catccaactc	actatgtgac	agagtcactc	agagatttgt	gtccaggaca	gactggctgt	103320
atctgctctg	agagtcacct	gcctgcccgt	gggaactccc	cagtggctct	taagggccct	103380
gaggactttg	gatctgcaaa	gccacatctt	ccaaaaccat	tttctctttt	tggagagcta	103440
ctctaccctg	aaaccctttt	ctctgaggtg	gcttttagag	aggcaggtct	cagcagggtca	103500
ctgtgcccac	aagaagtccc	ggggagaagg	gacccaaggg	ccagtgtctga	actatcgctg	103560
agactgagaa	cattgtgtct	cacctaaaat	cgggtgtcgc	aaggaccaag	caggctctat	103620
aaatgtctta	ctgcctttat	tccttttctt	ccgtccctcc	ttactcctca	ttttgttttg	103680
tttgtgtgtt	tgttgtttt	cttctgagat	gtgcccagg	ctggccttca	gctcactatg	103740
taactaagga	tgactttaaa	cttctgatcc	tttcttccct	ccacttccag	agtcctgggg	103800
cagggtgtgtg	ccaccgtacc	ccagctttat	ttgagactat	gattcaggct	ccatacttca	103860
tgcataattag	gtaagcatgc	taccaacttg	gctatattcc	cagcctttct	ttctttcttc	103920
tttgagacaa	tgtctttttt	tttttaatta	tatgagtaca	ctgtatctgt	tttcagacac	103980
accagaagaa	ggcattggat	cctatttagag	atggttgtga	gccaccatgt	ggttgttggg	104040
atttgaactc	aggacctctg	gaagagcagt	cagtgtcttt	aaccgctgag	ccatctcgcc	104100
agtccttgag	acaatgtctt	gctatatggc	acatatgggc	ctcaaactca	gaatccttcc	104160
gcttcagcct	cctaaatact	gggattacat	gtgagccatg	gtgtttggct	tctagccttt	104220
cttcccttcc	tttcccttcc	cttttccctt	cccttccctt	tttcccttcc	cttcccttcc	104280
cttcccttcc	cttcccttcc	cttcccttcc	cctcccttcc	cttcccttcc	cttcccttcc	104340
cttcccttcc	cttcccttcc	cttcccttcc	cttcccttcc	tttcagagag	tttctctgtg	104400
taatcctggc	tgtcttggaa	cttgcctctg	agaccaggct	ggcttgnnnn	nnnnnnnnnn	104460
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	104520
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnaaga	agaagaagaa	gaagaagaag	acaacaacga	104580
cgacaacacc	ggcgccgctg	cctccactgc	catccacctg	agacaggact	caaatccaga	104640
ccaattttta	aaaccagtgt	ttcaagccgg	tacactgaag	tagtagtccc	acttgggatt	104700
atagctcctt	actttgtttt	gctttgacgt	tttctgacat	ggtgtgatgt	agtcctgggt	104760
gtcctagaac	tcaatgtgta	aattaggctg	cttctgaact	tgcttctgcc	tcctgtctggg	104820
atgatagact	gatggtgtaa	aactccactt	aggaggcaga	ggtgggagga	tcagaaattc	104880
aaagtcatcc	ttggctatgt	tgtgagtttg	aggaccaacc	ttggctacat	gatatactat	104940
ctcaaaaaga	aataaatgta	ttgccgggca	tggtggcaca	cgcctttaat	cccagcactt	105000

gggaggcaga	ggcaggcaga	ttttctgagt	tcgaagccag	cctgggtctac	agagtgagtt	105060
ccaggacagc	cagggctaca	cagagaaacc	ctgtctccaa	aaacaaaaaa	caaacaaaaa	105120
agtgaacccc	aacagtactg	ccggacagt	tggtgtcttt	cctaagtctc	ctttcaactc	105180
tgtttaccca	gggttaccca	caaggtgtgt	gagcagctct	ataccagag	gtgatacgg	105240
tgtttgaatg	agagaaaagt	ttcccatcag	ctcgggtgtg	tgaatactcg	gtccccagtt	105300
ggcagtatgt	gctggagagg	tgatggggag	gtgtagcctt	ccgggtggaga	tgggcttttg	105360
gagtttaaa	cttctccac	gaagaccact	gggctgatct	tgttaccaac	agaattggat	105420
tggcctgctc	ttggctccgg	cctcagttta	tctaaaatlt	acatgttacc	tgatcaaaaa	105480
ctgtttcctc	ccccaccct	ctccctgtct	gtattccctg	ccctctagt	gtgctggctg	105540
tatactacac	tggtgatctt	gactgtattt	cagtttacct	cttgttctct	ctctgctgac	105600
tctagagatg	tcctttcatg	gctgggacct	ggctcagaaa	tttctaaggc	actgagcctt	105660
cctccatctg	aacttttagga	aacttctttg	cttaaagggt	tatttctgac	ttagtatgca	105720
atgagacctt	ggagcctgca	ctttgttaag	caccctgggt	gggtgggtgtg	gtgggtgggtg	105780
tggtgggtggc	agtagtagaa	ctctgatgaa	cagttagtta	ttcaaggccc	atctagaaaa	105840
agaaaggctt	tgggtgcaca	tggtataaac	tcagtggcga	gagacgtgct	tcccatgaat	105900
aataatgatg	acgatgaaaa	taattctctg	tgactgttct	ccccacttcc	ctctctctca	105960
ccctagctct	tatctaccga	atccctgcac	aagcaccct	ggggtttaca	gaatctgggg	106020
cggaaacgtta	gtcacttccc	tctgcctact	tcagtattgt	gtttccagaa	gtacccattt	106080
tggctagtca	ctgaggaaaa	cggcagctgc	ctgtgggcca	ccagcccctg	ccaagtgagg	106140
tcagcaagaa	agaagctgac	agcaaatgtg	ccaactgtgg	gtctgctgga	tttctactgt	106200
gctaagtgg	ttcaagaagt	ttcttcttaa	ccccctacaa	gaaaccacaa	attttattat	106260
ctacactggt	ttgtagatga	agaaaacacc	attccgaagc	tcactgccag	tcagcactgg	106320
aactggaatt	tgtttggcta	attcagtgg	tctcaaccag	gggtgatttg	gactccccag	106380
gggatatttg	gggacacttc	tggtcgatc	aattgggatc	atgtgctact	ggcacctagg	106440
gtagaggcca	gggtggtact	gaccttccca	ctatgaacag	ggcagccatg	tacataaatt	106500
ctctcgatca	aaacatcaac	agtgcataag	ttgagaaatc	tcaggctgaa	accctgtcat	106560
ttggccttga	gggtgggtggg	aggagggttag	agagtggaa	aaaatcagaa	gggccaccac	106620
agaggcctcg	agtgaggagg	gaacagggct	cctatgctag	ggataatgga	gaatagggca	106680
gcttgttgaa	acttttcttt	cttccaagct	tggctagagc	cctgctcaat	ttcccccaac	106740
tctgccaa	cagtcccggg	acttcgcact	aagtttgtcc	tggagtgaac	ctgactccag	106800
cttgagctg	gggcaacaca	tttacctggg	tcttcccagg	agtgggttaa	aagtcaaaga	106860
taagtggcat	ctgagaagtt	aaaagtgggg	tgagtgggta	aaggcaggag	gaccccatca	106920
atcagctgac	ctaggaagga	agagagcaac	tgaagcagca	aagagctgg	ccaggagact	106980
ggattctgac	ccactaggct	tatcttccac	agcctttctt	gtttaggctt	gggctcagtt	107040
tccttgcac	atccgcagga	gcccctggag	caccacatt	cagccggccg	ccaggacagg	107100
ctccccagca	gtggcctccc	cactaactga	cagtgggtgac	aggaaatata	tcccattcca	107160
atctcctcag	aagtctgaat	aagtaaggga	cagatgttgg	ggagaggcgt	cactcttggg	107220
ttgatgaaga	aaagatcatg	agaagcatac	attttaccctg	ctatggttgg	ggttccatta	107280
ccacccatgg	cggggttgag	ggggaagggc	agaaaaaagg	agatggagaa	ggacagacac	107340
gtaagaagga	ggatgtgggt	agggctgatt	cgctcccctg	ggtcgaacaa	tcagctgtta	107400
ctggggcgga	aggcaggaag	tctccttaaa	gacacaatat	tctgaacgtt	gaactcagga	107460
tttgaagcaa	gccagcag	caccttagtg	gagccatac	ttaatttaac	acagaagcgg	107520
ctatctcagg	cttccctctc	atttctttgt	ctcagatgct	ctcacttaga	aagcttagat	107580
gctcttagaa	atgactcaaa	agtcaagaac	cccaggccac	aagtttctct	ttgggggtgg	107640
ggaggggagt	aagagggtgg	cccagctctg	tccctttaaa	taagcaattc	agcagctttt	107700
gccaagtcat	tgggttcatt	tccgtttttg	cccatcccc	gcctttcaga	ctctgatttg	107760
cccctaggga	aggagccgcc	tcttcatttg	tctccacctt	tgaatcact	tccctaagta	107820
ggcctgagtc	agagaagcgt	tccggagggc	gggactgaat	gggtgttaat	cttagaaccg	107880
ggtttctgg	tgatactact	ttggtaaaga	tcttccccta	atttttaaaa	agacgcttcc	107940
tctctaaaag	tgagggcgaa	tcttctgtta	agaacgtgcc	ccttgagaag	ccgtgggctc	108000
ttcagcgact	aagacgagac	attcactaga	aaagatttca	ctaaaccac	gagggataga	108060
ctagacctcc	agtgaagatt	gggcctgtgc	gggtgacatt	tgctccctata	ccccgaagac	108120
ctcgagctag	ctctccagtg	aagactgggg	ccgtgcgagt	gacagtgggtc	cctatacccc	108180
gaaaaaaaaa	aagtcctatt	tgtggaaaaa	aaaaaagact	tcgggtgttc	tgctgcatcg	108240
gtggctggct	tccatcttta	gttctactca	ctcctgttgc	ttcgcgtgct	ccaccttcgc	108300
ttagctcagg	cctcctgtga	atcagttttg	aggctaaaa	aagttccaa	aaggaggggc	108360
tgtagccctt	taaggacttc	cccgcgaccg	agtcagagat	cagtttaaaa	atgccaactc	108420
acagagcgcg	ctgcattctg	ggaagctgag	tgtcaccgta	agaacttcat	tgaccggaat	108480
gactgtcaaa	atacacgcc	tatacttctc	tctgctcttt	aaactgtagt	ttgacgtaaa	108540
gttggtctaa	gcaagtcgcc	taggccgagg	gttagccaca	ccttttcagc	cattggccag	108600
ttgggttagtt	ggtaggcgtg	gcttagagaa	gctcctccag	gcaaggggg	ggcctccttg	108660
ccaatcagag	cccagacgcc	tgaatggg	ggagtaagca	gaggtgctgg	cgcccccgag	108720



tgggtgtggt	cacgttgccc	agcaatgggc	ggtgattggc	cctgggtggt	tcattcgcag	108780
ctcgtgcgtc	acgacgccgc	cagctgatcg	gagactggag	ccggtgtgtg	ctgggcgctg	108840
ggaagagaca	gagcggtcgg	ccgtgcggac	aggctgcagt	gattttgctc	ctctgtccac	108900
agcaaccccc	gcacccagca	tcagggtgggt	gtgatctggg	gacccggtca	tccccggggg	108960
aaccgcggta	accgggtgat	ggggaaagta	gggtcctgac	ggccacaccc	tgcccttctg	109020
ggggagggga	gagggggcgg	cggggacagg	ggcgtctctg	ggagaggagc	ctggactctc	109080
ccgagtagtg	tgtctggacg	tttaaagaga	gagtcgccga	caggagtcgt	ggcagaaggt	109140
ttggagaagt	aactggggag	gaatatgaga	ggccagaggg	ccgggggscgt	ctaaccgccg	109200
cgcccttttg	tttgaggatg	cccagagctga	ccatttagcc	tagggaggat	ctggacgagc	109260
gaggggtgcg	gaggtgcatt	gcctctaccg	gcgctgactg	ggtcagggcc	agttcaagtc	109320
cctggcaggg	aaggggtcgc	tgggcggctc	ggccctcctc	ctcgttcctc	cccggggatg	109380
ttatgtaagg	ggggagggga	aaggagtagg	ggcgggcggt	gcggaggcct	tatgcaaccc	109440
aaaggttagg	gtttcacccg	gggttgggcg	gaggttgggg	ggggcggaca	ggaggagtgc	109500
ctggaaactc	tacccgcacc	ccccctccca	gcctaactgg	ctgtcttggg	cagagagaag	109560
gtcacctttg	cacctccccc	ctagtatgtc	cggtagagag	gcccctagcc	cgggcttggc	109620
ctgactgcct	gggaagccgg	ctggctgggt	ggggcgccct	ggttagtcat	cgctgggctc	109680
cctctctccc	cacctcctgg	ccaactcttg	gcccctcccc	acggcctccg	gttaggctaa	109740
cgttccacc	tccctctggc	cctagtttca	gtctccaact	catttggcct	gtcacccctg	109800
ctgttagagt	aggctagaag	ctgtcatggt	gccagagagt	tgatggagca	gctggtcaga	109860
gggtcagtgc	cctgggcccc	ccccgccccg	cagccaaggg	cacctgcttg	gcacaaactc	109920
tcagcagcca	gtgaacccctg	tggcctgaac	agagctatcc	tgggcagaga	gaagtggaca	109980
gagactgac	acctaggaga	aggaagatcc	gacaaagttt	atacttccca	agaggctttt	110040
ggaatttgaa	agttgcccac	cctagtgtaa	tctttccact	ctctgaaaat	agaaatccca	110100
aggcaaagtc	tccttgggcc	ttctatctgg	cagtggccat	gtccttggac	tgactgtgca	110160
gaaccaccct	ctcgggctcc	cagccctcta	gcctgccacg	ccccagccc	cctccctgag	110220
ccatgctgta	gggccccggc	ttttactgct	gattcatgcg	ttggaactgt	gggggcgggg	110280
cttggaactt	ggaacaaagt	tcagacgtgg	aggggcccgg	agacagcctg	gaattcatac	110340
cagatgtacc	cggaatgtgc	aagcggaatg	cctggcatct	ctagtccctga	ggaagctgcc	110400
cagccaccct	accataacct	ccctccccct	ctgcctttgg	tcagctgtcc	tccctcagac	110460
tcttgagagc	ccctgctgac	cttccaactc	tagtgcccc	ccattttcta	accctacaca	110520
aacctcctt	gctgctgaat	tccttaagaa	caagtcattt	gagttgatca	cagagctcat	110580
atttctgaag	tacatttttt	tttttaactt	gggacttggg	ttctacaccc	tgccctttga	110640
atgccgaaga	tgctgggctc	cttagcaggt	tgccaagagt	tgccagctcc	tagtctgtaa	110700
aggggcacaa	agcaagtgca	tttagaagcc	tcttgcttct	tattcaagaa	cccctcatta	110760
gaaggtactg	aaagtcaagt	agagccaggt	ttggatggcc	tctgggtcgc	tggccctgtc	110820
accagcctt	cctgtttttt	tttttccctc	ccttcccttt	aggaacctgt	gcctcccaca	110880
ccctcacctg	gctgagccgc	agtagttctt	cagtggcaag	ctttatgtcc	tgacccagct	110940
aaagctgcca	gttgaagaac	tggtgcccc	tgccccctgg	ttcgtggagg	aagaggagaa	111000
gcagcagctt	tgccctatcat	ccggaagggt	acagaactgg	ggtgggaagg	tctggacagc	111060
tggggtgatg	gcttttatggg	agggaaaccc	tggtcctctg	gggagccctt	acccctactg	111120
gcccagtgaa	agatttaggt	taaaaggcact	gtctataaat	tggggaaatag	gtgactccac	111180
ctccccaaga	ttagttgatg	tctgtgtggc	agtgggaaga	aatagaagga	aaagtctgtc	111240
tgtttactga	gacttccttg	taggcctgcc	tttcttatct	tcatcatcac	catgccacaa	111300
cacacacaca	cacacacaca	cacacacaca	catacacaca	catacacaca	cacacacaca	111360
cacacacttt	cctttccatg	aggtccaaaa	gtaaatgtac	tcaggaaggg	ggacattgaa	111420
actccgttct	aagtagtcat	ttgtgtatct	actttttttg	tttatttggt	tgattgactt	111480
tcgagacagg	gtttctctgt	atagccctgg	ctgtcctgga	actcactttg	tagactaggc	111540
tggcctcgaa	ctcagaaatc	tgccctgcctc	tgccctccca	gtgctgggat	taaaggcgtg	111600
tgccaccacc	gcccggctgt	atttacattt	ctttatttat	ttttagtctg	gccagatttt	111660
tgggttttagg	ggtacttacc	cttacacctg	tggatttttc	cacctgtata	atggggaatc	111720
ccatagataa	gtaggcagga	gggcattaaa	agtccaccag	tggtgactca	gagcctgggc	111780
tcttcttctt	ctcgtggatg	gaaacgaaac	agctcttcac	atgaactggt	gtccttcccc	111840
cacccctga	ctactcacc	agctcagggg	gattaggatg	gaaggaaagg	ctatgggttaa	111900
gtcccaggca	agctcgtggg	aggctagtcc	tctactggct	tctcaccatg	catgggtggt	111960
ccaaggcttt	ccctccacct	aaagcaaaac	tgtagctctt	ggttgggttc	tagcaaccac	112020
tgccatttat	tttctgcctt	tgctttccag	gatagtgaga	ctctgctcaa	tactgtgcag	112080
gcaagaaatt	gtcaggggag	atgggttgta	tgatatgagt	cccttctgct	gcctctagct	112140
cctgattcat	tctcacgtat	gggcttggtc	tctgtattgt	gttcaccttt	ggccagctct	112200
tcctaataca	agatgggttc	agggggtaca	ggaggctggt	tgttgatatt	gacaggagga	112260
ggagtcttag	cctgttcccc	atttgtgaga	aactgaaagt	cataggggag	actagatcat	112320
ctaattccagc	ccactgcag	tctaagctga	gggataggat	gtgtaaggga	ctgtagcaga	112380
cgggctgggg	aggctgagtc	ggctcacaca	ttgcgacaaa	gattgccctt	ccctcgacct	112440

cgcttgcttt	ctttcctcct	cccttccctg	gccacagtgt	gtccctccag	cactgggtac	112500
atggctctgc	tgtcctcctc	caacatggag	cctcagaggt	gagaaagggc	agcctggaag	112560
caacagaggg	aggcacaaga	cagtggagga	cctggcctgg	aaccacaagg	gcctatccgg	112620
acatttggtca	gagaggcacg	tagaagcctg	gagaacacca	ggaaagagag	cagccagcca	112680
gcctcagtga	aagacacgtg	cttccagcca	tctcctctca	ggacctgcct	tcctgggaga	112740
tgaagggcct	ccaggaagta	tgggtccctc	tctaccctgc	agtttctata	aacagcctca	112800
aggagcatga	gccacctctg	aaaggaaata	cacagcaaata	tcaaaaagag	attcaaattgt	112860
gtaacactgt	gggaaaacat	atctatgact	yyyyllytag	ctcagttggg	aggtttgctt	112920
aacatgcacc	aagccctggg	tctgtcttct	gcattgcata	aaactgaaca	ggttggccca	112980
ggtctgcaat	cccggcactc	tggaggtggg	ggcaaaggag	cctacattca	aggtaatcct	113040
ctgctataca	atgagttctg	agccagcctg	ggctatatga	gactgtctca	aaaaataaaa	113100
caaaataaaa	taaagcattg	gttagtaatt	caaagaaagc	agatgtgggt	gaaaccgttt	113160
tccctgatca	taatacaaca	agcaaatgaa	agccagaaga	aggctcctgt	gccttggtgtg	113220
tggcagtacc	aaccattgtg	agagatgcct	ttggacctgg	tagtttgctg	tcctagaaat	113280
gtatcctaaa	ataaggattt	ggttataaaa	tgttcatctc	agggttgtaa	tagagaaaaa	113340
tggaacgcag	ctgtttgttt	ggaagtccat	tccttttctg	ctgtcatgaa	aatgtatagc	113400
tagggcttgc	ctaagtaaat	tatatctatc	tgatgggtgg	gttctgtgca	gccatccaaa	113460
gtcttacaga	agaaaaattg	agtggaaata	taaatattga	atactaaaaa	gattataaaa	113520
gtatgagttt	gtgactgttt	ttaaaaatat	aacacatact	tgtaatatat	ttttttaaaa	113580
accatccaat	tgagtggaaa	tataaatact	gaatactaaa	aagattatga	aaagtatgag	113640
tttgtgactg	tttttaaaa	atgaatgcac	acttgtaata	tattttttta	aaaaacactg	113700
aaagtggatt	caaaattgta	agaatgggtg	ttttttagtg	gtgggatagt	acaattgtga	113760
attttccctt	gtcttttctt	gtcttttctt	tttttaataa	ttgtgcattg	ctttcatatg	113820
ttaaataaaa	tacaaaagac	aaataaatgt	tttaaaattt	ttactctttt	atgagtgttt	113880
tgcctgtgag	tggcaggaat	ccaacattgt	cttctgaaag	cagctagcgc	taacttctga	113940
gccgtctctt	cactccctct	gtaattttta	aaaaatatat	ttgtatgtta	tattatgtgt	114000
ctttgtgcac	cagagtgtgg	gtgcacattc	tgcagaggcc	agaagagggc	atcagattcc	114060
ctggagctgc	acgctgtttg	gatcttctga	tgtggatgct	cagaatcgca	ctcaggtcct	114120
ctagaagagc	agcaaatgct	cctagccact	aaagccatct	ctccctctag	tcctcattgt	114180
catgttttaga	ttttggagaa	tttgcttgta	ggaggatggg	ctacaccaag	tgccagggtga	114240
aagaaaatgt	tgtcttggga	tacctattgg	ttcttgagtg	tgtgtgtgca	tgcttgtgtg	114300
tggtgtgtgt	tgtgtgtgtg	tacactggag	ctaggaatca	tatccagggg	ccttttcaag	114360
ctccaccaca	ctaaagtcaa	ttctatgaac	ttcatataat	gtctgaatcc	acctactctc	114420
tacacacagg	aagcattcct	ctgactttct	gactgtcagc	cagctaagga	gggtgtggctt	114480
agaataagaa	agaagggaaa	tgctcaaaac	ctgtcactct	ntggggnnnn	nnnnnnnnnn	114540
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	114600
nnnnnnnnnn	nnnnnnnnnn	nnnnnncccc	tattttacca	agcattgcag	gataaataag	114660
aacatagctt	aaagaattct	agagaaaaaa	aaaaaagtcc	actaatgttc	aatgttttaa	114720
ttaattttta	atgggaaaaa	gtaatatcaa	agaaatccat	gtctacggca	tattaatgtg	114780
gttaatgcaa	acaggacaga	ttatcttggc	caaattaaac	cacagtaaca	cgttttgaac	114840
taaaagtcac	ctatttatat	gagatgaaat	gtgaattagc	gtgcgcgcgc	aggtgcacac	114900
atgcacacat	acaaacagag	tctttttatt	cttaagccta	ccaaataact	ctttaagcag	114960
taaataattt	taagctctaa	aatttaaaaa	atagtgaaac	cccttcaggg	tatgacagaa	115020
tgctgctttt	gccattcttt	ctgataaaa	tcccaaaggg	tgtcataatc	tgtatccttc	115080
ttagaaaagt	aaggagcaca	tcctatgagc	tgggtgacct	agttttacac	ccaagtcaca	115140
cgtcagcaca	cagcaatgtc	ctggaccatt	tgtgaggagc	cccacgctgg	tcctgagcaa	115200
caactcactt	ggactgggtac	ggggtgaggc	tggcgatggg	caccactttg	gactgtgtcc	115260
cacctgaagg	ctgcagcagg	ccagttccgg	caggttttcc	aaatggcttt	gaggcaccat	115320
aagccttagc	tgcaagtggaa	cctatgcaaa	cacacaggaa	aagggcagtc	attcccgttt	115380
tatttctcga	agtgaatgta	caggcaccat	ggcacgcata	tggaggtcag	atgataatct	115440
caaaaaatca	caacttttgt	gagacaggct	cccttcattg	tcttcccacc	acacttgcca	115500
ggttaggggc	acaagctccc	aaggagtatc	tgctctccta	agggcactgc	catcagagac	115560
actctgacta	ctacacctgg	cttttaggtg	ggttctgagg	atttgaacgc	agatcatcat	115620
ggttgtatag	caaattttta	ttcaccaagc	cagacaaccg	ttttttaact	ttttttaaaa	115680
aaagatttat	ttttatgagt	acagtgtggc	tgtcttcaga	cacaccagaa	gaagacatca	115740
gatcccatta	cagatgggtg	tgagccacca	tgtgggtgct	gggaattgaa	ctcaggacct	115800
ttggaagagc	agtcagtgtc	cttaaccgct	gagccatctc	tccagccctt	atttaacttt	115860
taaaagttaa	aaattaatcc	tcattatgca	cgtgccacag	ggaagtgtaa	cataagcaca	115920
tgtgtttgaa	gtatatatgg	ggatgtagtt	attgtgacgg	cagaggacaa	ctctgtgaag	115980
ttgattcttt	cccttcactg	tgggtcctcg	gagcgtcaat	agggtcagca	ggcattttac	116040
cagctgagct	atcttgtggg	ccaccaaaact	tattttttaa	aagctagaag	ttgggttaag	116100
agaaggaatt	catgtaattg	aaatagaaaa	gcagagttga	agagggagga	gaggagggtga	116160

gtatgatatg	gtaagaaaaa	ccaagaaaaa	acctctacaa	gtaaattctag	tctgtgtcca	116220
cagatcacta	tgttcaagga	tgggtgtccca	gaaaagggtc	ctaaaacaaa	gcccaggaag	116280
taatcaaaat	gatccccatcc	agacctgcta	cagagaagct	ggggggaagg	agggagaggc	116340
cctgtaacct	caagtccccg	ggcagcacag	cagagctgtg	cccaatgata	tccgtgatac	116400
aggacaacag	gatattctgag	aaggagtccc	agttagcgtg	tagcagaagc	cagaggcctc	116460
gaacaaaacc	aacaacttca	ccatgatgaa	catcatgaag	atgtgtggac	aaaagggtgc	116520
actctgggac	acagtgtcac	acactacagc	ttccacctgg	gacaaaaagt	cacacactac	116580
agcttccacc	tgggacacaa	tgtcacacac	tacagcttcc	acagtcagat	tatttttctt	116640
ctagcggaga	ggctgcaagg	gtggagggca	ggtacaaggg	aacaggggtg	agtgggatcg	116700
gggtgcatga	tgtgaaactt	acaaagaacc	aataagttag	gaaagagaga	tgaagacata	116760
gaagccatgg	ccaacaaccc	cagcactctg	gaggcaggca	ggagggtctc	catgccaaag	116820
gtaatgaatg	ctatgtctaa	agagatgata	aagtcctatg	agagttacaa	agtcagagga	116880
gaaacttgga	cagaaaagcc	aaatgtaaca	aatgcattgg	aggtggggaa	aggtggggat	116940
ttaaaagaaa	tttcacaaaa	aggcacagaa	tgtgaaggtg	aagcgagcga	ctaccagata	117000
aagcatcaac	taagaggagt	caggaacagt	gtattttaac	tacctttata	aaaaaaatac	117060
tcgggctggg	gagatggctc	agcgggttaag	agcaccgact	gctcttccaa	tggctcctgag	117120
ttcaaattccc	aacaaccaca	tgggtggctca	caaccatcca	taacaaaatc	tgatacggtc	117180
ttctggagtg	tctgaaggca	gctacaagtg	tacttacata	taataagtaa	ataaataaat	117240
aagtattaaa	aaatatgcaa	taattggaat	tattctttgc	aattctacta	tgaatggagt	117300
ttttgttctt	gttgtttgtt	ttccgagcct	gtttcatgta	atccaaactg	gcctggaacc	117360
tgctaaatag	tgggaagatga	ccttgaactt	ctgattcccc	tgtctccacc	tcccaagtgc	117420
tggcctaggc	tactctgcct	gactcaggct	cagtgaattt	tcaaacactg	cttcaacctt	117480
gaccctaac	ttccatctct	tgggtcccat	cttaccatt	cccagactcc	cattctgtgg	117540
ctggggcttg	ctggctgggtg	gtgtcgctgc	agaggctggg	gaagggactg	cttgctgctg	117600
ctgctgctgc	tgctgctgct	gctgctgccc	atattcctgga	gatcaaaaca	ggccaattca	117660
gtgcaaacc	agtcaagaga	tttcaacacc	agcagtaa	accttaggaa	aaccacactt	117720
tggctcttag	aggagcagac	tgcaccacgc	tgcacaccct	gtgtctgcaa	agggctcact	117780
tttttgtctg	cgcatagtaa	agactgggtc	catttccctt	tcaactgttt	agaattgaca	117840
gctttcagtt	ttaatgaggt	tctccctgaa	gccttgccca	tttctccttc	aagaacctgc	117900
agtaaagtca	ctgggctcaa	tctgtgatac	taccactatt	tccatagcaa	caaactcgat	117960
tcatcaacag	gacggtgtgt	tctgtgatac	atccattaga	agagaaaagca	gggtggtaag	118020
gaaaacctaa	aagcagttca	attgtctctc	aagtgccttg	gcttcaaagg	aaaaggagac	118080
gtttacaaag	ggttctaccc	tttcccccaa	acaaagcaac	cttatttttg	aactgacagc	118140
tgggtgaaaa	tatgagttga	aagagtctca	ggtaccgtga	agtgttagtg	aactgtcaca	118200
gcaggagag	atgagaacag	agttcagaag	cagccgtgtc	aaggcaacag	ggagataaaa	118260
aggaggggga	ccgagcacgc	ttctaaagca	gcaaataaga	cgcgccaccc	tgtcggagtg	118320
tgtatttgcc	cttcaccctt	tatacaaatg	tttaccaggt	tgaagaatgt	taacattgta	118380
aattgcctac	cactattttct	aaaataacga	gtttatgggg	tttgatttta	cttctgtgat	118440
tggctctgaa	ggctgaagcc	agcctcggtt	aggctgtctc	cctggagtgc	ttgtagatga	118500
caaaggcagc	taaaaaaaa	aaaatgtccc	agctctcctg	aaacactaaa	actggtgcgc	118560
acaggcagga	agtcctcctt	gccactgagg	cttcccttcc	tccaactgta	agttcttaact	118620
cctgctgggc	ctcctgaggt	cccaactcac	cgggcatgct	acatgcccat	ggaattcatt	118680
tttgcaaaa	ttactcttaa	gtagctcaag	gaatgagacg	taattgtgtt	gctggagaca	118740
aatacattca	gcacaaagtt	gagaagatta	aatagaattg	attatgcttt	agttcatcct	118800
acagagagaa	aaagttagag	acctattttac	ataggagagg	ggcccagggt	actgacaatg	118860
agcccttcct	ttacagctca	gccttcccat	tatcactcaa	ctcagacacc	cagcccaggt	118920
cagtctatgt	gaagcatttt	taaaatcagc	aagagaaaag	tgagttgctc	agtagtacac	118980
tgaaggaaa	tagaaatgag	cacacagtga	cctgctgcat	aagacacagt	ttaaaagggt	119040
acctatcttc	cagcgaagtt	cttgcttctt	ttaaaaagaa	tgtggtattt	gctgggtatgt	119100
gcacctcacg	aagggtgctt	cagctatgtg	gagggcagag	accatcctga	gggaatcggg	119160
tctccttcca	ccagagtcc	agggatggca	caaaggcacc	gggcttgaca	gatgccttta	119220
cctgctgagc	cctttcccca	gcctctcctt	ttctacagtc	tccaaattac	ctgaggtagg	119280
agcctcatte	tcagaaccat	ttctgctgct	catgtctgac	tgaactggat	atggctcactc	119340
gactcaattt	ctataaaaag	ataactgagg	agccggcttg	gttggttagag	aaaacataaa	119400
gacccgagtt	ttgttcccac	atggggcgtg	cgtgctagag	aggtgaggac	ggactaggca	119460
gggagcagag	gtaggcgagat	cccaggcctc	aatagccagg	cagcccaacc	tgagctctaa	119520
gttcagtaag	ggagcctgta	accacagaag	acactgtgcc	gtgtaaccac	ggcaagcggc	119580
ccgctgcagt	ggcatctgct	catagccaca	gctaccagga	aggtgagacc	acaagactca	119640
ttgaagctgg	aggtcaaggc	cagcataggt	accataggtg	gaccccatc	tcaaagttga	119700
acagtaacaa	tatattttac	tacaattaaa	aaaacaaggc	cgggtgtggg	ggcgcatacc	119760
tttaatccca	gcactcggga	ggcagaggca	ggcgatttcc	tgagttcgag	gccagcctgg	119820
tctacaaagt	gagttccagg	acagccaggg	ctacacagag	aaacctgtc	tcgaaaaacc	119880

aaaaaaaaaa	aaaaaaaaaa	aaaaaaccaa	aaacccaaca	catgtaccta	ttctaacata	119940
aaattttcat	tttttataaa	aattacagtt	ataattttta	gttgaacata	atacaatgat	120000
aagtctccaa	cttgataatc	tgaggctggg	ggtgtagctc	atttagtaga	gtacctgcct	120060
agcagtcgct	aagtcgggt	agtccttgct	ctgtatccca	gtgcttgggg	aacaggcaga	120120
aagaggacca	gaagttcaag	gtgctcctcc	tcttcaggta	atgaggagtc	tgagccagcc	120180
tgggatgcgt	gagacacacc	agtaacagca	actactgcct	ggagtgtctca	ctctggacca	120240
ggaacaagag	ttaagtgcgt	tactcccgta	actgtctgca	caatgatgga	gacagtacgt	120300
catctttaac	atctttggct	gagaagagaa	aacctgglat	tcctcagctc	gttctggcta	120360
agttcatgta	cttcatcatc	atgcagttaa	tttgtaaaca	accaatcctg	gcagcaataa	120420
ctctaattat	atagaacata	agatgtggta	attaggaana	gctactaatc	cacttaatag	120480
agtaaccttt	atctcttgca	aatctgggtac	aagagacagt	cccaaataca	atgatggcaa	120540
gaattccaga	gcattgtaaa	tagcagcaat	tgcccttcaa	ttaacgcatt	gtaacgcagc	120600
agctgcccac	aagacctcaa	atcaatcagt	ctatagctaa	ggaaaaatct	ttctaaggcc	120660
aaaaccattc	tacaaagcag	taacgtaggc	tccgtttata	ataacctgtt	ttgggccacc	120720
tgcaaatcaa	gctatcccag	gaagccagat	cgtaattctt	aggctctgct	ggctacacac	120780
tgggtcccaag	ccatgaggga	actagattac	agcaggctcc	gccctcgggtg	acctgctcat	120840
agctatcatt	cttacagttc	attatggcaa	gtgagctctg	ggcagagaaa	aattcacaaa	120900
caaaccacc	aacttcccaa	gcaagcattt	tcttaacaaa	cacaaagaat	aaataaatag	120960
agcctgccat	ggtagtgcac	acctgtaatc	tcagcatgtg	ggaggcagag	gcaggcagat	121020
ctctgccagg	agttccatgc	cagcctggtc	tagacagttg	caagatcaac	aacgctatat	121080
ggtgaggccc	tgtctcaact	cccaaaccac	tgaanaaag	taagacgata	tggatcaatg	121140
caatatttct	cagttcctac	tgacagaaaa	tggacacaat	taggctgggt	ataattccaa	121200
tatgaataat	aagtatatta	tacagtacct	agtttaagtc	tgagcaagat	attatcgcca	121260
acagcacaga	tacaggacac	acacacagct	gcaagcgtga	aggattttaa	ggcaccatc	121320
cctacagtat	atgcagcatt	gactgtctag	ttttatttctg	cacactttga	atcatccatc	121380
catttttgct	caatatggca	gcagtaataa	aatgtatatt	tgcattttga	tgcattggtg	121440
aattcttact	agcctgggct	gtgtttgctc	actaactcca	gtggacttct	gacgtaagag	121500
gcgctggact	agcttccaga	ggatgtaaat	ctaactttgg	ttctcggcct	cccctgaagc	121560
ctttgctgtg	gtgaaagggtg	ctgtttctga	agccacgaca	gtcccatggt	ggtttgagta	121620
acaatactcc	tggcttggtg	acaatgccaa	aaaataccaa	aaaaaccaa	accaaacca	121680
aaaaaagcac	agagctcaca	tctgagccaa	aaaaaccgac	actccctatt	ttttgaagaa	121740
ctcacagaaa	tcaagaagaa	aaacaagcaa	acaaacagca	cataacaggc	taacaacaac	121800
aacaagtcca	cttcagaggc	caaaaaacca	aaggcaagg	ggctctttaa	catttacaag	121860
gacagacctc	actcagaaca	caagctatag	ccatgatact	gctcttcac	catcaattct	121920
taaagacaca	gaagatgggc	tgctggcatg	actgggaaga	gaccagtgtg	ctcactcatt	121980
gctgggggtac	gctgtaacaa	gcagaggaga	atgtctaaact	gtgtctgcca	atcacaggca	122040
cattcccagt	taaccacgca	atcacttctg	gcaaaaaaag	cccactctgc	ccgcacactg	122100
gtgtacccag	gaggtaatte	actgcggcctt	ctgggtggatc	ttttttcctt	cttgcaagtgc	122160
ttgggttcaa	attaggatca	agcacacttt	tatagtcaga	gcacggagac	aaaaggatct	122220
aaccacagag	ttggtttaa	aaacaacaga	acagccacac	cagaactgct	ggggggcggtg	122280
gggagggggg	ggaggggaag	gggagaagct	agaatcccag	cattcaggat	gcagagggtg	122340
gtaaacagag	ttcaggctca	gtcggggtat	aaggtaagac	tttatttcac	aaaaataaat	122400
aattttttta	aagaggacag	aaaaaagaca	gcgtagagaa	ctagctatct	tttatgtaaa	122460
ccatgtgggg	tacaggagca	gcatttgcat	ttggttactt	ggcgaatagc	cctggtagga	122520
taaagaaacc	ttaaactgtg	ttatctataa	agggcagcag	tgggtgcaca	atgcagtggg	122580
taggagccca	cccattgcac	gccatagttt	tgattacaaa	gtcacgcagc	tctactcaaa	122640
aattaaaaca	aacattaatg	cttggttaag	aaacagggtc	gcagagatga	tggctcagtg	122700
gttaagagca	cagcgcccat	atggaggctc	tcagccatct	gcttctccaa	ttccagggga	122760
agctaacgcc	ctcttttggtc	cttcaagagc	actgcatgca	catggtacgc	ttacctacat	122820
gcccgcacac	attcaagaa	aaatacaaac	tgtcataaaa	cccatatatg	accatcttaa	122880
gattctttca	tttttttgag	acagggtttc	tctgtgtagc	cctggctggt	ccagaacttg	122940
ctctgcagac	caggctggcc	tccaaccacg	agatctgcct	gcctctgcct	ccacagtgtc	123000
ggaattaaag	gtattttaaca	cacacattat	acatatcttc	cttctctctc	ttcttttttt	123060
aaagcgtttt	gttggtttttt	gttaagtttc	aattaaaaaa	ctacatagtt	ttataggcaa	123120
acataattaa	aaatgccaat	gtgaaataaa	taatataaac	atatataaca	ttctgtataa	123180
gattcactca	cacaacttat	atacttaaat	acaattttca	caataatgaa	aagctttgaa	123240
atgaagactt	ctggatacat	tagaaaagta	ccctgaaaaa	cgcaaatgac	ggttttcatt	123300
tctttgtgtc	agacattagt	gtgagtgtct	aaactgtgat	aaaggctctc	ttctctatca	123360
cttctactac	attgcagtagg	ttctcgctaa	acctggaacc	tggggctcct	gttctctggc	123420
tggactacaa	ggcagcaagt	cccagcaatc	ctcctgtctc	acctttcttg	gaaccaatgt	123480
tataagtgtg	tgtgggcact	agccttggtt	catggctgct	gggactagaa	ctctgggtctt	123540
caatattagg	catcaagagc	tcttaactgc	taagccatct	ttctaccctg	attagaattt	123600

cttgaagcaa	aagaaactca	cagatggtca	gagtttacac	acacacacac	acacacacac	123660
acatacacac	acacacacac	tcacacacca	aggcttagtg	accactgtga	aaaggggaagt	123720
gcggtgagga	actgtaaaaa	taaggtgtca	ggaaagctct	gcacaaaatg	gtgtcctctg	123780
gacaagccag	ggcctctgcc	ctcatcagct	cttagtaact	atgggtgcct	acagcaaacc	123840
atgccaggga	ccactctaac	atggagctgg	gatgggctcg	agaggccctg	ttattaaagg	123900
agaagctgta	gagagttgat	ttgatggatt	ctaaagtagg	gggaatcgat	ttcctttatc	123960
gatatgggtc	agccatgctc	tagtgagtgg	ccccacaccc	acccatgagt	atgtgtggac	124020
agcacacacc	ggacctggca	agtcaataaa	acaaaaacaa	aaacaaacaa	ataaacggtc	124080
tggtccacca	tagtggctgc	togtggttgg	gagctgtccc	gcacttatgg	caggaagaca	124140
gtggctgcaa	agaggacaaa	agtctctgga	actgatcaac	tctagagtct	gcttgttatg	124200
agaactggga	agtacccgct	gggacagaag	cagactctga	aggtgatcag	gacagagatc	124260
acagaaggag	agactggtta	tcggaggaaa	tctgaaacat	aactcgacgc	atactgggtc	124320
aaactgggtg	ccatcactac	aacagcagta	attgaattgg	gcacaacatt	cagaaaaacag	124380
aaaaagacta	cagagtacgc	accctggcta	tcatcaaccc	aggcgattct	ggcactattg	124440
gaagcaagcc	agactggaga	aaaggaaaca	aaaagttatt	taacaaaact	tcccagagca	124500
tgtaaaaaaa	aaaaaaaaaga	aagccagaca	tgggggtgca	cgtttttaac	cctagcactc	124560
aggaggcaga	ggcaggtgag	gcaggaggat	ccatgagttc	gaggccagcc	tggtctgtac	124620
agtgggttcc	aggaaagcca	ggcaacaaaag	aaaccctgtc	tcaaaaatca	ctgactgggg	124680
agagaggaag	tggatccaag	agcaagagag	agagagcaga	gagagtgggg	gtttggatgt	124740
cagcgttatt	aaatgacagc	agaaaagatg	ggcccagaca	atgacatccc	agaaatggca	124800
aagatgaaaa	aataaacaca	agttctaaat	atcattttta	taatggctgt	gtgtctgtctg	124860
gctcattctt	gttatccaaa	caaaactaaag	caggggtggc	cgggatttac	ggccagccag	124920
gactagagtg	agacactgct	ttaaaaaagc	aatagatgca	cgctaaccat	taatcagcgt	124980
aactggagtt	tgagggaggg	agtgggccc	ggaagcctgt	gcctataaac	ccaacctgcg	125040
aggcctgaag	cccgaagggt	gaactgagaa	catctcaaga	caaagcacag	gcacaatctc	125100
ttacaaacag	tttaaacaca	ataccagcaa	taaattgtca	gctttatgac	agataggctg	125160
acaggcatac	cacaaagatc	gggaagaaga	aacgggattc	ttgcacaaca	ttttacaaat	125220
cgacacagct	gagcctagt	acaggccgtg	ataagctcaa	aacatgcaca	ctgcaaacac	125280
cacagcatgg	ccagagtgc	agggtcacag	caatacacga	acagagacag	taagaaacat	125340
tggaaaagg	aagaaggcaa	agagcaccac	gagagaaaag	ttaaccgcg	attccatatg	125400
agggccagc	atccctctcc	cacctgacag	agaaaaccag	gaggacgcag	ctgcaaacact	125460
gtacaactat	aaatactcct	tcctagtgtg	gacagagttt	accaaagggt	atcgtaatct	125520
gaagcacaaa	cataaactg	taagttacca	gaagtttaga	cacgttgaga	atttaataga	125580
agttgagaca	tcaaacacac	gtttgatcct	aggggaatta	aattattggg	aacagaaaag	125640
ctctttacaa	agtctccaca	tttataaacc	aaatacactt	gtatcagaat	tggtgtctga	125700
gccagaggcg	gcggcacaa	ggtggctgag	gcagcaggat	caagtctgga	gaagcccctg	125760
ggtccaggga	gcactagtga	attcaagtaa	acattaaaca	ttaaataaga	aagacggatt	125820
ctacaggagc	ctagacaccc	tgtaagggtc	gtactactaa	gataccaaaa	ccaaactgac	125880
tcaggggggt	gatgagatgg	ctcagtggct	aagggcctgc	actgctcttg	cagaggacct	125940
gagttcagtt	cccagacccc	gtatcaggca	gttcgcccac	ctgtaatgta	ccagagaccc	126000
taaacatttc	tatcctccaa	gcacagacac	acataaacat	aattaaaaat	aaatcttaaa	126060
aaaaaatctc	tcgtggacag	acagcaaaaa	atactgaacg	aaatctaata	aggtagactc	126120
agcaaagcaa	atccaaatat	gcgaaaagga	taatacaatg	caaataccaga	cttatcccag	126180
aaaccccagg	tcgcttttag	atccaaaaaa	ttcaatcatc	ataattcacc	gtattagcta	126240
accgaaacag	aaaaggcatt	tgattattaa	taaatacagg	gaaagcattt	gacaacattg	126300
accattcact	cttaataaaa	atggttaccaa	acaggagaaa	gaagtaaaat	ctcctcaacc	126360
cgatgaacag	gaacacaaa	tggttgggca	cagtggcaca	tcttgaaacc	ccagcaccca	126420
gatagctgcc	agactgggct	ggcatgagaa	ccaagggtaa	gaggcaccca	aacacttaat	126480
gatccaaggt	gctgcctccc	ccccccccc	gtgtcactta	aatccgtaat	taaatttctg	126540
ggaggagggt	tttgacacag	ggtctcactc	tgtggcacag	gctagcctga	atggagtcaa	126600
tgctggcctc	aaaactcttc	tgctcagtt	ccagagtgcg	gggaaacaat	catgagccac	126660
ctcacccagt	tttaatgcca	tttaacagta	caagggttaa	cgctgcctga	aaagaacaag	126720
acaaagaaag	atcacacaga	caaacatcac	acaggtgctg	tttgagacta	ggtctctagt	126780
gatgtaggct	ggtctcaaac	ttgcacaaga	aaagaatact	tttgccatca	agatcaagggt	126840
tgctatcacc	catggtggca	tttcggaagc	agaggcagga	agatcagtag	tacaagggtca	126900
tcctcagcta	ccatgggtgt	gaggccagcc	aaggcagcac	gtgagccagc	tgtggaagca	126960
cacatctgta	acccccacc	tcaggaggct	gaagcaggaa	gttcaagcca	cacaagagcc	127020
acttaaaaa	aaaaaaaaaa	ataaataagg	ttggagagag	ggnnnnnnnn	nnnnnnnnnn	127080
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	127140
nnnnnnnnnn	nnnnnnnnnn	nnggaaaaca	cccattagac	tgctgaagag	actgagaaat	127200
tgtcatcttg	aagggttgaa	atcactgagg	aatggcta	gacaaaactg	cttaaggaga	127260
attttattaa	aaaacaaaac	tccttctgga	ggagtactgt	gtcccttca	gcattaacta	127320

ctgtgccagg	gaaccactg	ccagcagaca	cccaacttca	aggataatca	agcttgctac	127380
gtaacatggc	tgcttacgca	gacaccacac	acacttcctg	tatgctgggc	atcacctcta	127440
gcttacttat	aatatcaaac	ataagtacca	tgtagcgct	acagggcctg	gccaatgaac	127500
agcgatggga	aaaataacct	gcacatggtc	agtaatgggc	aatccactcc	ccagacactt	127560
ctaacctcag	ctgcagactt	gtgggtactg	agaacggacg	tgactaagtc	aattcacaga	127620
agcagagccc	tgtgcctgtg	ccagggaaag	gaggacgctg	ctcaatgggc	agagcttcag	127680
ggcgggaaga	gatggaaagt	ggagctaggg	cccgatgacg	tgaatatggc	taatgccata	127740
ttgtgtgtgt	gtgtgtgtgt	gtgtgtgtat	gtatgtgtat	gtggtgtgta	tgtatgtgtg	127800
tgcatgtgtg	tgtgtgtgta	tgtatgtatg	tgtgtgtatc	caaaatgggt	ataaaaaatcc	127860
catacaatgg	ctatgcttat	gtgtctttta	ccacaagtaa	aaaattttta	gtaatcttag	127920
gaacacattt	ctaaaatttg	gaatacttgt	tggggaagct	atctgagccc	cagcatggaat	127980
caggaaatgg	gtaggagagg	caggagagat	ggcttagtgg	ttaacacaca	catggtggcc	128040
ctttcctggc	accaactagg	tcactcacaa	ccaggatctg	acagcctctc	ctggcctcct	128100
caggcaccag	gcaggaaagc	ggccccacat	ccctgcaggt	aaaacatttg	tactgaaact	128160
aaataaaaaac	ggagcagaag	ctgggcctgg	aagtccttta	cctccagcac	cgggaagcag	128220
gtggatattt	tgtgagttcc	gggtctacat	agtaaaaact	tgtcgccaag	taaaacaaaa	128280
caaaaactgg	gggctggtga	gatggctcag	tgggtaagag	cacccgactg	ctcttccaaa	128340
ggtccaaagt	tcaaatccca	gcaaccacat	ggtggctcac	aaccatccgc	aacaagatcc	128400
tcttctggag	tgtctgaaga	cagcaacagt	gtacttacat	atattaataa	ataaatcttt	128460
aaaaaaaaata	cctttaaaaa	aacaaaacaa	aaactcccac	taaaataaatt	ggaaaagtc	128520
agggaaagcc	acactcgatg	gcgcaagcgt	gtgatcacag	tattctgtag	gtaaggcaag	128580
aggtacacag	cgggacggag	gccagcctca	gtcacacagg	ccggtctggg	ctacagtggt	128640
agaccccggt	ctcaaaaaca	aacaaaacaa	aaaaagcgtt	cacattatca	tatactcaag	128700
gccacaaaac	accttcttct	tcccaatcct	tgaatgctat	cgaatttggt	tacttttttt	128760
tggtaatttt	ttgtttgctt	ttcaaggcag	ggtttctctg	tgtagccctg	gctatcctgg	128820
aactcactct	gtagaccagg	ctggcctcta	actcacagag	atgtaattct	ttttcaaaagc	128880
tggattttga	tttgggggtg	tgtgggtgat	accacaggga	cacttggggc	ccaaacccaaa	128940
ccaaagaaaa	aacaccccc	ccccaaagta	tgaacatcaa	ctgtatataa	aactaacagt	129000
tcatataagc	taagtagcct	gcagggtacat	ggttatggaa	acagctttat	catacagact	129060
tctttcagta	gatgccattt	gagaaaaaaa	aaaaaacaaa	acattctttg	gattttcaac	129120
atgtaaacga	aaatatgtta	aatcttaaaa	aaccttaaaag	cagacgccac	tgctcttttg	129180
ggtcagggaa	gcacggctgc	aggccccccag	agcagcacat	tccctgaggg	aagccttggt	129240
cgctctcacc	agcaccaaga	acagccaact	ataataagct	cataaaaaat	cctgaaaggc	129300
tgcccaagcc	tgaaaatctg	atatgaaaac	agagggcaag	acagataaaa	ggcaaaactat	129360
actttaaaag	tcaattccag	ctatctgtgt	ggaaggactt	ctcgggacgg	actatctgct	129420
aagaccttgt	gggtgattta	aacagcgtgg	agggcagaaa	aagaaaggaa	agtgcaggaa	129480
acaatggcaa	aagctcctcc	tccgtggcct	ctacacgcat	ccaagcgata	tggaggggagg	129540
agggaaggac	actatacaca	ggtaccaatc	cccacgaact	agaaaaacaca	gcttttacta	129600
actagtctat	tttttttttt	accttagcta	gtgtctttct	tatgttttggc	ataatttctg	129660
ctctgcatta	aataaaccta	gtgtataaga	aggcaaatga	gtaaaaggtaa	agtcagttaa	129720
tgttcatttg	ttttgactgt	gtgggtgtgc	tgccaggcgc	attcgtggag	gtcagaggac	129780
aaccgcatgg	agcaggtctt	ctccttccac	caccccaggg	gtcgcagggg	tcccagggat	129840
ggaactcggg	tggtcagatt	tgcctggcaa	gggcttcact	cactgaggcc	ccccagggt	129900
cccaattcac	ctgtttactc	taatgtatat	atttttgaga	cagggctctg	ctatgtagtc	129960
caggctagct	ttgaactcac	tgtggacact	agctggcctg	gaggtctgag	tgaacctcct	130020
gtttccaccc	aagtgtctgg	acaacagaca	gcaaccatca	aggcaaaatg	aagtcttccc	130080
ttcacaccaa	agtggcttcc	tatgaccttc	tctgacaac	cccaaacagc	aagtggcccg	130140
atatgcactt	gcgtttctct	tttttttact	caagctttga	ctccactttc	ctaaaagggt	130200
tttactaggc	tgaagcacac	ttcaggagac	accctgtagc	tctggagtga	ccggaaacac	130260
accagctctg	atgcaaaaac	aaaaaacagc	gatggggatg	gggcaaagg	ggcttgtgct	130320
tctgtgcaat	ggcattccct	gacgcattac	ctcacaccag	atacatacag	aaaagacaaa	130380
ggtaagtcct	cactcagtgc	gcgcattccac	cacacccaaa	gcaagcattc	aacagctcag	130440
tggcataagg	ccagcattat	cacagcgcg	acaaacacaa	agccaacctt	ctctttgagt	130500
tccccaagg	acatagtgtt	ctgtccaagg	atggcctctg	cagactcctg	gaaacacgtc	130560
accactgggt	tctcttgaaa	atctgcaata	tttgccataa	aaacacaact	ctattatttc	130620
agcgaataaa	taacaaaagg	aagacacccc	aaggacgagg	gaagattatc	ttttcctact	130680
taaagtaact	tccaagggag	aaatgacatt	gccgccacac	acagcccccg	actcttttgg	130740
taacgggtcc	cccttatgag	gaagtattca	cctctggtca	ccccgtgttt	cacttttagt	130800
acagtatcta	atgaattaca	ggagccactc	aataccttta	tcataaagtg	ggctttgtgt	130860
taggtgattc	tgaccaagcg	taggctatgc	aaatgctctg	agcacactta	ggggaggctg	130920
ggcgtgcta	gccctgtctac	atgcaggtaa	tgctacgcca	gtcttacgcc	acaggaagaa	130980
gcttaaaatg	tggtcgaact	caatctgcta	gaggtgtgag	tttagacctc	gggagacggg	131040



ccaagtaa	ac	ttccgcag	at	gtcggagc	at	cagacagag	c	tgtccctcc	tgatgcaaaa	131100
ggcttcgc	cac	ggcaagtt	ttt	taatgagc	ct	ccatggta	at	agtgggttc	tctctctc	131160
cctccctt	at	caatatgt	tt	gacatctt	tt	agtttttt	ga	gacagcaaa	taacgtagcc	131220
aatctgccc	g	catactta	ct	gggcagccc	ac	agctggcc	ct	gaactcctc	tgcgctcct	131280
ttaccccg	ta	acaagtgt	ctg	gggttacag	a	catatgcc	gc	catgttcag	tgaagtgac	131340
gctgcccag	c	agggcaaa	agt	cttccttat	t	tacaaagc	ag	cagccaagc	ctgcagccc	131400
ggcctatct	g	atttcctc	ag	cacaccccc	a	agggtctc	ac	cgatggcag	cagtccatg	131460
acaccgtag	g	cttctcaca	a	tccacacta	c	tcaccgata	a	gatcatgcg	tatttgaa	131520
tgggaaatt	c	ccggtcaca	c	ttctcacag	c	ggtacaacc	c	attctgctg	tcaatcact	131580
tcttatttg	ca	gtcctgggt	t	gggcaggcc	ct	ggtacata	ca	gttctcttt	cggagaaac	131640
ccaccgctg	c	cacagtgt	ctg	aaatagtc	cg	cctgcagg	c	aaaggaag	cgccatcag	131700
aagcaacac	a	ggtctgga	ac	aggcaact	gc	aagctgct	ct	tccttgcaa	tggtgagcg	131760
gtgtacatc	c	tagctccc	ac	gtcacagca	a	gatatgcag	a	atcactaac	ctggtttcag	131820
aaatcacac	g	tgctacac	gc	agaacccaa	a	gaagtaaca	a	accggcact	acgcacctc	131880
ctttttcc	at	tttgagag	c	gcggtcact	c	agctagcct	t	gaactcag	tttggctgc	131940
ctctgtctc	t	atagagtgc	c	tggctacc	ac	acctgggc	ac	tttgttttc	agacaggg	132000
tctccgga	ac	tactctgt	a	gaccaggct	g	gcctcaaac	t	cagaaatcc	cctgcctct	132060
cctcccaag	c	gctaggat	ta	aaggcatgt	g	ccatcagcg	c	ctgacccaa	tctttttat	132120
tatagttat	t	atttgttac	a	tatgtgtat	c	agtgtgtat	g	acgtccata	gtatatgac	132180
gtgtgcagt	g	tgcacatgt	g	tgcaggtc	ag	aggacaact	c	tcaggagtca	gttctctc	132240
cctactgtg	g	cgtttgggg	a	actcaggtt	c	caagatagca	a	ggaaaagtgc	ctttaacag	132300
tgagtatat	c	cgacatgac	a	atgtaatgc	a	tcagtgtgc	a	cacagtgg	ttgcatgtag	132360
tcataata	a	cacagcgt	gc	atgtgcagg	c	taggaaaca	a	cctgtggg	ttggtgatc	132420
cccctacca	·	tgtgagtga	g	ggagagga	ac	tcaggctgt	c	aggctcgg	gcagtgcct	132480
tactcactg	a	gttcccttg	c	tggccaag	ca	ttatttata	a	gatggtgat	tctacccta	132540
tctttagg	ga	tcagtaagt	t	tttcccca	ag	acaagccag	a	aaaaccttt	aggcccaat	132600
agccattca	g	tcagtctct	a	ctgccactc	c	tcaacctgt	c	tgtggggcg	gacaagccac	132660
agacaacct	g	aagacgga	ag	gtgagcca	at	aaaatctta	c	tgacagtaa	agccagccag	132720
ctcacagg	c	tgacaggca	a	ttcttggac	t	gaatgcgtt	t	aaagagaat	agaattacc	132780
atgactaag	a	tcttctaaa	t	ggaaaaat	gc	ctggttaag	t	aaccagcaa	ggagctaag	132840
cacgcaagg	c	gtggatacc	t	gctttgcct	c	tgaacctgc	a	acaggtttt	gtttatgtt	132900
aatcatgtc	a	agtaacct	a	aaatccag	at	ctagcctga	a	ttcaaagata	ggctacctac	132960
cctgccccg	c	gacccccac	c	cggggtctc	a	ctgtgtagt	c	ctggctgtc	tagcgctct	133020
tatacagac	c	agctgttat	c	aaattcag	ag	accacttgc	a	ctcccaagt	ttgggattaa	133080
aggcatttg	c	cactatgct	t	ggctctcact	c	ggttgtacca	a	gaggagcaa	acaatgtgg	133140
catttaaaga	a	gacgaagct	a	gaaaccagt	t	tagacagct	t	tggggctgt	ggtgtagct	133200
agtggaaag	ag	cttgcttag	c	atgcacaag	c	tgttggttt	t	aacctcagc	gtgacaga	133260
cgaatacata	a	agaaggctt	a	gaggagggg	g	tggtgggtg	ga	gagatgggt	agaggtta	133320
agctggttg	c	ttaatttccc	c	agtccccac	a	tggtggctc	a	caacatccat	aactgcagt	133380
ccaggggat	c	tgatgtctc	t	ttctgacct	c	ctggggaca	a	tgcgactcat	ttggctcaca	133440
tgcaggatg	c	ctcgggcc	c	tatgctgg	ct	caggggtag	a	ggtgcttgc	gccaagctg	133500
gtggatttg	a	gtttgggtc	c	tgggacctc	a	aaggaagag	t	ttgacttct	tacactgag	133560
tggaaatgc	a	atgctctac	c	cgcaaatt	aa	aaacttaaa	a	tttaaagag	aagctgtag	133620
gaaatagct	t	ttaggagg	at	gcctaagg	aa	cttctctgc	g	ttttcaggt	agattcag	133680
tcaaagccc	a	atttaaaag	t	ttgagtgt	c	tcacgtgtt	c	tgtatgccc	gttctggct	133740
tccgttgtc	t	gtcttttag	tt	taagagag	ca	actgggtg	ag	aaagtaact	gagctagcc	133800
gatgttta	at	tctcaagat	g	tcctgtgata	a	gcattata	ag	ttgctgtgg	tgacagtga	133860
ggatcgag	ca	cacagtga	aa	tgagacagt	g	aggaagaaa	a	cctatatatt	gtatcagg	133920
aataatgg	ag	cagtggcg	ag	cgatatttt	g	ggaataaca	at	agaaataaa	gattcaaaa	133980
tccaagaga	a	cgcagggt	tag	accaaggtag	a	gaagaggat	c	actgggctg	agagatgg	134040
cagtggtt	aa	gagcactga	c	tgctcttct	g	aagggtcat	ga	gttcaaatc	cagcaacc	134100
gtgggtgg	ctc	acaaccat	cc	gtaataata	t	ctgatgcc	ct	cttctggag	gtctgaag	134160
ggctacagt	g	tacttacata	a	taataaata	a	ataaatctt	t	aattaaaaa	aaaaaaaaa	134220
aggaagagg	a	ccactgag	ca	cacattgaa	a	tggaaagat	gc	aactgaaat	caataccag	134280
gccagtctg	t	ggcatggc	ag	caggaatt	ac	agtctgttc	a	aaaccagca	cggacctga	134340
gctacatt	at	gtccctct	ac	actggccgt	g	actgaaaag	c	agcaacgtg	tacctggag	134400
caggcctga	g	gtcccagg	ta	aggacacag	c	cctgacctg	g	cactaggaa	caggtgtaa	134460
aactcaacc	c	cctgcccgt	t	tctgggtgt	c	tggagcgag	t	ggtgcgag	acctgtctc	134520
cctggccc	g	gttctcag	at	ttagcctcat	a	ccaaagt	ttt	ccagttgg	ttgccccct	134580
cggccccct	c	actcctgt	gg	tcagagat	gg	aaacaccat	c	taaggcttg	ccttctgag	134640
caaacctag	g	ggagaaaga	a	acaaacgt	ac	tgctgacag	g	aacttcacat	ccttctcaa	134700
tgtgctgt	ga	atgcaccag	c	cccgagct	gc	gccccctcg	g	ctctcaccta	ggtctcag	134760

cacctagtcc	actcaagaaa	tgcaatgccg	ttgctccttc	catctcgtgt	ccttcaatgc	134820
ccctcctcct	ccacccgcaa	ggtcagacaa	actgccaaag	taccacagac	cccttcccta	134880
aactgggctc	acattgacag	cagccatgaa	caaaggcagc	aacagcaagc	cacactggca	134940
cccctccccc	cacctcggc	ctcaagcctt	caccccaatc	accaaaatga	accagatgaa	135000
aagggaacatt	tttgtttcat	gagtctgcc	aaaatgtttt	catgggagaa	aatcttttaa	135060
gcccacatcag	ttatagaact	caatcagaag	gcattatctg	ctgtgttaga	gatttgcatt	135120
ctcagtgaga	atgtgtttat	ggaaatatca	agggttaaatt	catttatatg	aaattattat	135180
taaaattgac	tatacttctt	gaccatctat	tggctaattct	gaaggaaaag	aggccaggga	135240
gaaggtagca	aggacaggct	agtggcagag	gacagtgagc	ctgagatgaa	aacacctcaa	135300
ctacacgatt	gggtgtaact	aaagctgccc	ccacacagga	ctgactccct	aaggagactc	135360
ccaacagagt	agcgggtggc	caaggcaagc	agtcacatcc	gtcagaggac	aagggtccata	135420
aatccgtctc	accactacta	gccgctcaag	tttaacttca	cacaggcatc	ggcaaccaaa	135480
gacgggtcat	caggagtga	cagagccagg	agacaggcag	cctctcttat	agtaaaaggt	135540
ccactcttag	agccaagatc	taaagatcgc	taatccttgc	ctgggtaggg	ggggtatact	135600
gaacttgtag	atcaatgaca	gtattttgtt	cgggggacag	acatgcctgt	ttgtgatttc	135660
tgtgatcaca	gttactgaca	gtgaaatatg	aacaccttaa	tgtagacaca	caattaacct	135720
ggggttgtgc	tcagagtctg	ggagaaaaac	caaccaacaa	accagaccaa	tgccatggct	135780
gtctctggtc	agacttctgt	cctacaatgc	aacgctagct	atcagcacag	ttacacagcc	135840
agacccacac	cactgaggat	gccttaagtg	acagacaccc	cagatggatg	ctctaagtag	135900
taaatattgt	tattggttta	catcagactc	aaaacaaaaa	tgaggagcgt	gaaatatgag	135960
ctgtttttct	tgagtctctt	aaattctacg	acacagctgg	aaaccacaca	tgcccaccct	136020
ggtactacag	ctattcaatt	tccttaagct	tgggttaggt	aaagtatttt	ctttgaccac	136080
ctcaatccct	ctacacaaca	ccctcaggat	gaagtgtctt	tccaaggcag	agtttaatgc	136140
cttaaaaagc	tagatatggg	gtggagggtt	taacaagctc	tcctcatctc	ctgagtgtct	136200
tgggaaatgac	aatgtacagg	caacaaagag	tccattgttc	tcactgtact	ttaccgagtc	136260
cagtgacaac	acaacagaag	atgtgaccag	ctccagagac	tcagcagagt	aagaaagtac	136320
attctacccc	cacatcagct	gcccacagtg	caaactgaag	atgctctcag	cactgttctt	136380
cagcgcgcag	ctgttaaagc	cttgccgtac	ctggcgggat	caaggtcagc	acttagattc	136440
taattgcttt	ctctggctct	ctatgttcat	caggggatcg	tgggtttgtt	ggtttaagag	136500
ggcttttcagg	ccaccatctc	agaagacata	atgcctcgaa	gaagtatagg	aaccactcca	136560
ctcaatagca	aaggcttggc	aaaacagctt	ggcagcagtc	cacatgctga	cactgtccag	136620
ctctggttta	ccagagcccc	agcacagata	acccctgagc	tgagttgcac	aaaacctacc	136680
agccacgaag	cttataggcc	tctgggatgt	caggattcac	aatgacagtg	ctggatgaga	136740
ggaccgagag	gctccgtcca	ccgaagtcag	agactcgggc	tcctttgatg	gccatcacgg	136800
gctgccgaga	gccgtcaaac	ttgtcagcct	gcaaatcaaa	cgcacgcaca	catcactgac	136860
aagaagaatg	tacaggatgg	ttttatggag	aagagtcagt	caatgtctgt	ggactctaag	136920
acagacctcc	cactcgggaa	ggagcattgc	actacaagaa	gctgcaataa	ccgatcatct	136980
cacacagcga	aggtcttcaa	atacttactg	gatagcacia	ctccctgagc	taaagcccca	137040
ccctcaggac	tcggctcagt	gcaaggactc	acatcttctc	cccacagagt	tgtgggtcacc	137100
accttccctg	acatgtccat	caaatagata	tttctcttag	caacttctct	gttgttcgac	137160
ttcactgtga	ttttaatcga	atcttctatg	ctcttgacga	ttccaatgat	gtctgaaaca	137220
aagaacactt	tgtaagagct	cccatcaagg	ctcctcttta	aaacacggca	gggacgaaag	137280
gcaagcacgc	tagtcacgca	tcaccccaaa	cactggagac	aaaaatcacc	actctttgcc	137340
ctcaaccctg	gacgcaccta	ctagtgcgtc	tttagccttg	ctctctaggt	caccgatccc	137400
tgtgaaatca	aactgaactg	tgggtaagtg	atggccatct	tcacagggaa	ggacagaagt	137460
ctcattattg	aaggctcatct	catagtcatt	tttaacagcg	gagaactggt	tgtagcgat	137520
cttcagggcg	ccctttgaga	agtaatacac	ctgcaaaaaga	ggccaagtca	gggcaagcta	137580
ctcagtcctat	caaagcccg	cccacaatgc	agccttccaa	actgtgtcta	tggctctcac	137640
agttcagcct	gtcagctctg	actcaacacc	gtcttcttac	cttgttcact	tcaataaggg	137700
gaaagaactt	gtccacttgc	tcattgaaag	cagtagctct	gatttccacc	tgacagaagca	137760
agggagagca	cattagaact	gcgctgctag	gccctcgctc	tcaacagcga	gagcaggcca	137820
ttttgacagt	tagacaccat	cctcggagca	acagtccaag	tgtaaagaga	ccctcacagg	137880
gctgcagaca	ttgcagaatc	ccacatatac	agttacattt	tcaagctatc	agctctggta	137940
aaacaaaagc	agctcagcca	cccagaccta	cagttgtgaa	ttaacacata	aaacgagggga	138000
gcctcgagat	gatctggaag	acaaaggtgt	ttcctgtgcc	aacctggcca	ccctagttta	138060
atcccggaac	cctcgggatg	gagaagacaa	tcgccccacc	aagttattct	ccagcctttg	138120
cacacgtgtg	catgcataca	cacgaaaata	attctttacat	cttatcaaaa	cattttttaga	138180
aggaatatgt	taatatccg	ataatgaaac	ctaatttctt	gggtcccag	tgatgggtcg	138240
gaagcccaca	ggaaggcgtg	ctgaactcca	atgatctcagc	actcttcctc	acgcccgcga	138300
cctaagtgac	ggcttacttc	acagtcagga	gctgggtgcca	aaaatgttcc	aacaagtcac	138360
gctttcaagc	tgactgcact	gttacttttc	tgtcaggcaa	tatgttacag	atggataaga	138420
aacttaacta	aatggctaaa	accttaccca	gacaagctgc	aggaaattag	tttctgatac	138480



tgaatctgcc	atcacagtta	agatatctgc	tgtgctacac	cgtgacaaga	ggaagaagag	138540
ggggagagag	ccccaaagct	ttgcccttcc	cggatcatcg	gcttatttta	cgtgtgtggg	138600
tgttttacca	gcattgtatgt	gtgagcatca	ctgagtgtct	gatgcctgag	gtgaccagga	138660
gaggtactgg	atcactgaca	cgaggagtcac	agatggttat	gtgctactct	gttggtgctg	138720
agaattgagc	ccaagtcctc	tcaaagaaca	gcgagtgtct	ttaaatgctg	agcagtctct	138780
ctggcccctg	catttttgctt	taagtaaagc	ctagttagta	taaatagatca	gaagccctcc	138840
ccgcagacta	gttaaagctg	agtagctgct	gctccttctg	ctggaggcaa	acccgcctcg	138900
ctcggcaggt	atcacccag	ggcttcaact	gtgcccctag	caatgtaatt	agagcgctgc	138960
agtctctgca	gacggagact	atttacagtc	caccaatctg	tattgctaca	gacgcgtccc	139020
tttaggagca	ctttatctca	tgtctgaccc	tgtgcccag	atagcatcaa	aggtctccaa	139080
cagaaggaaa	gccacaatga	ccgccatggt	cctcggagct	gagccccacc	cgnnnnnnnn	139140
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	139200
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	139260
atctctatat	atgaatgagt	atcctgtagt	tatcttcaga	cacaccagaa	gagggcatca	139320
aatcccattt	acaggtggtg	gtgagccatc	atgtaattgc	tgggaattaa	actcaggacc	139380
tctagaagag	caatcagtgc	tcttaacccc	tgagccccct	cccttttttt	tttttttttt	139440
ggcagcttat	ttttaattgt	tttaaatacac	gtatatgttt	ctgtatgtag	ctatgttcac	139500
ataagcgcag	gcactcatag	aggctcagaga	tgtaagatgc	ctttggagct	ggacttaaac	139560
atggttgtga	gccatctgat	atgagcacca	agtggacttg	ggtcctctgg	accgccttgc	139620
tgccctccac	ctagaattac	agtatatgca	attagctgct	cagccacccc	ctcagtcctc	139680
cttagtactt	tcaacatagt	gtaaatcgga	gagcactcct	tgggtgcaaag	attctgtgtg	139740
ttctatcatt	ctctacaccc	aggcttcatt	gggacgtgtg	atgccagcga	tgattcattg	139800
gcgtgaagta	tgagttagag	tcagacaatc	agtgtctctc	gctctgagtg	ggtctccctg	139860
cccctgtgtc	tctgagacag	gggaggattc	tcctgtttgga	tcacatagtg	catagagccc	139920
tgtgtgcaca	gcgctctcaa	ccatttggtg	ccatttcaaa	tacagtgact	tcagagtctt	139980
ccttgaaata	acagatttct	ccattttggt	tgttcccttc	tttcgtcaca	aagacctgag	140040
gatgagatgt	ttttgaagga	actttctagt	agttactcgg	tggaaaagga	caatgatgct	140100
cccctcttct	acagagaaga	aggaaaacagg	aaattccaag	aaaaggagta	cacagatgct	140160
gcagtgtgtg	actctaagg	aacgtgcgtc	caaccagcag	ttgaacaagg	cggaagatag	140220
aggcaaagtg	cagactcata	accagtcctt	tgttttgctt	tggttagtgt	ggttggttgg	140280
tttgtttggt	tgtttggttc	ttcttcttta	ttagtcggat	tggatttggg	aaaaatgtag	140340
tagaattcta	ttgttgatta	tattcacaaa	caaaagactg	tttatatgtc	ctgaattttg	140400
gcaagattct	tcccatattc	cttcagaccc	atagcagcag	caagcttagt	ggccctttgc	140460
caggtattct	cactgagctg	tacagcattt	gtctgaagaa	ctgatgaaca	tttttagctta	140520
tgctcctatg	ttagtaaata	gctaggtttt	tagctagcca	ccttgctagc	ttacaactag	140580
aatgcctctg	gctgagtttg	gtggcacttg	ccttttagttc	cagcactcag	gagggcagaag	140640
caggtgaatc	tctgagttca	aggcagcctg	gtctacataa	caagttccag	cctggccagg	140700
gatatgtagt	aagactctgt	ctcaataaag	taaacagcca	gaatgactta	aataattgcta	140760
aaaaagaaa	aaagaaagaa	agaaagaaag	aaagaaagaa	agaaagaaag	aaagaaagaa	140820
agaaagaaga	aaatgagtgg	atttgccata	gcctagtcaa	actagatttt	cttggttata	140880
tgtaaacata	ctactattaa	caacaacaaa	tactttacac	taaccatgac	aagctatatt	140940
tttaaattat	tatttttatat	gtatggtgtg	ggaagctgtt	gcagagtggc	agttggctac	141000
tgctggccac	cacacataca	taggcagtg	aggttctttt	gccaagacaa	gttaaccaat	141060
cagatgtgag	acacgcctct	cctaggccta	tgtaagcagc	accagttctg	ggctcagggg	141120
ctcttcgcct	ctacaatcaa	gctctcccaa	taaacgtgtg	cagaaggatc	ctgttgacgc	141180
gtcgttcttc	ctggccaggt	gagcgcgcac	aagagtatgg	gttttcacct	acatttatgt	141240
gaactgcatg	tgcaacttgg	acccagggag	cccagaagag	ggcatcatat	cccctggaac	141300
tagagtcaca	ggttatgtat	gggttctagg	aatcaaacc	atgtcctctg	gaagaacagc	141360
cagtgttctg	gatttaactg	ctgagtcac	tctccagccc	caccatgatg	gatttaactg	141420
ctgagtcac	tctccagccc	caccaagctg	gatttaactg	ctgagtcac	tctccagccc	141480
caccacgctg	gatttaactg	ctgagtcac	tctccagccc	caccacgctg	gatttaactg	141540
ctgagtcac	tctccagccc	caccacgctg	gatttggaag	cagaactgag	gctttgaaca	141600
ctgtgttatt	ctaactcttg	cttccttgga	accctgagaa	aattccttct	attggctttt	141660
cagagatctg	tatgggctta	aaacaagaat	atgtccaact	cctgatctct	gattttatat	141720
attaaaagaa	tagagtgagc	ctaggagttt	ggcacactcc	tatgttccaa	gcttcaggaa	141780
gggaagaagg	tcaggagtgt	aaggctagtc	agtcttagct	ttgtgacaag	tttgaggcta	141840
acgtgagctc	tatgagaccc	tgtctaggag	aggagaaaga	aaggggtaaa	gtgaggtgtg	141900
gctccacgct	accacttgcc	taacacgcac	gacgcccaga	gtttccgttc	ccagccctgg	141960
gggttcagagt	attgtgcaca	cctgtatctc	ttaaaagtca	atagtcaacc	ccttgaatta	142020
actttccgaa	aaatatataa	gctacatcat	ccactctaca	aacttgtaaa	agcccttctt	142080
tgtaatggtg	taagaaaagta	tttggcttca	gttttatggc	ctttgcatcc	taaattgttac	142140
cccatggaaa	gttgcttaat	gaaaacaggt	aaaaataaga	caggaggggac	tgcaaagatg	142200

ctcagggtca	cgagtgcctta	ctgcccttgc	agagaccatg	gcaggcagtg	ggtctcccta	142260
ctgcagggaa	tccaaaaacc	tcttttggcc	tctgcaggca	accacattaa	cacatgcaca	142320
catacacata	attttaaaaa	taaaataaat	cttttaaaat	gagctctaga	acgagtttga	142380
catcagctta	ggctacacaa	gaccttgtct	caagaagaaa	gaaatgaagg	tttgctgtgg	142440
atggagaggg	agatgcactt	cctattccat	gaagctgcta	ttttgggtgat	tatgggtactt	142500
tgcaatttta	tagagagctg	ctattttctt	tcttttaaa	taatgcttgt	tgttttgact	142560
gtaaaagtaa	taaagtgttac	tttggaataa	atagagaagt	ataaagagta	aaaaaaaaag	142620
tcataaccag	tgaagtaccg	ttaacatttc	tgcttctatc	cggccagcca	gagtttttcc	142680
tgtgagaatg	tgtttttctt	ttacaaaaat	gggataatgc	tgcaacttact	gttttgtagc	142740
ccactctttc	ccttcacgat	ttattgtacc	cattttctca	cagtattaaa	ttttcagctc	142800
caagtaattt	tccatagcta	actctgtgtt	ctgttacaga	gaagaaatgt	acttaattta	142860
agatctaata	ttggcataat	atttggcatt	atgatgctat	aataagcatc	ttctgttata	142920
aataattttta	tgtacagcca	gtgttttctt	tggatgaat	tagcacaaga	gtaaagtgtg	142980
gggtcaagcc	tctgagtgc	gctgaattgt	tctcaggaaa	ggactagtta	acatccattc	143040
tgaaagaatg	tggaatgct	catttcttaa	gcaacactgg	ttattattac	atactattat	143100
tttgtagta	ttatacattt	atthaggggg	ataggaaata	tgctcatata	gttcaatttc	143160
aagagttgca	aaaatatatg	gtgtggttct	ttttcctgtc	ccctagttaa	gtctcacttc	143220
cagccccata	atctaccttg	ttaaatatac	tgtatataag	gcatatgtag	gtgaataaaa	143280
aacagcctag	tatggtggcg	ttaacctcgg	gttacttgag	aactgctctt	gcagagaaca	143340
tgactttggc	tccgaaagcc	ttcctggaat	tccagctcca	agggatgcag	tgctctggc	143400
atccttgggt	acgtcactca	tgtgcacaca	tacacatttg	gtttttaatc	ttaggaactc	143460
caagtgggcc	aatgagatgg	ctccatgtat	aaaggcagtt	atgcaaagg	ctggatgaca	143520
tgagttcagt	cttcagattc	tgcaagataa	caggagagga	ccaacccctg	cgagttgtcc	143580
tctgacctca	gtacacatgt	catggtacgt	gtgtagtatg	cacatgcaca	gaagtcccag	143640
cactcgggag	gcagagggcag	gaggatctct	gagttttagg	ccagcctggg	ctacaaaacg	143700
atttacagtt	atataaagaa	actctgtttt	gaaaaacaaa	acaggggttg	gggatttagc	143760
tcagtggtag	agcgttgcc	tagcaagcgc	aaggccctgg	gttcagtcct	caactctgga	143820
agagagagag	agagagggag	agggaaaggg	agaggagag	ggaggagagg	gaaaggaagg	143880
aaggaaggaa	ggaagggaag	aaggaaggaa	gaaagaaaga	aagaaagaaa	gggaaagaaa	143940
gaaagaaaga	aagagagaaa	gaaagaaagg	gaaagaaaga	aaggggaagg	aagaaagaaa	144000
gaaagacaaa	gcaaaagcaa	actaaataaa	atacatacaa	tataataaat	tttaagactt	144060
gagggcatag	atcagtgtta	taatgcttac	ctagcatgcg	taaaactctt	ggcttctaaa	144120
cctagcaccc	taccgcaaaa	tatttgctct	gtcttgctaa	attatattgc	tagttgtcag	144180
actactgtgt	actttcacta	gcaacataat	gagaatgttc	actatcccac	tcctctgtca	144240
agtaatctgt	tcttggtttt	atttttcttt	gccaaattga	tggtgaaca	agtatttcag	144300
ctagcctaga	acacacagag	aactctcttt	atgaactcaa	gtttcttatc	cttttatgat	144360
ctccagaggt	ttgtttttgt	gggtttatta	gtgttttttg	tttggttggt	tgtttgtttg	144420
tttggttggt	tggttggttt	tgctttactt	tttcttattc	atttttttat	ttctttattt	144480
ttttgttttt	aattttaatgg	actggttcca	tgtggccaag	gatagcctca	actttgtagc	144540
agaaagggtc	tttgaacttc	tggtcttctt	tcactctact	cccaagtgat	gggatttaagg	144600
cacgtgccac	cacatctaac	aatatctggg	tttctttatt	ggagtttgaa	agggatttct	144660
ccagcattac	tttgactctt	catagtttct	tccagagtta	ttacactttc	atttgttaca	144720
ttaagagttt	gatccagggc	tggagagatg	gctcagtggc	taagagcacc	aactgctctt	144780
ccagaggtcc	tgagttcaat	tcccagcaac	cacatggtgg	ctcacaatcg	tctgtaatgg	144840
gatctgatgc	cctcttctgg	tgtgtctgaa	gacagctaca	gtgtaatcat	ataaataaaa	144900
taaataattc	tttaaaaaaa	aagagtttga	tccattttaca	ctggacttct	tgaggcagca	144960
ggatcataaa	ttcaagggtga	gcctgggtga	actggcagaa	gtggcagaag	ctgtgtctca	145020
cactgctgta	ttcatttcct	cattgatctt	cagaggtttg	ctaacgggaa	gtaagtggaa	145080
cagaagggtc	agtattcttt	ttttcccaat	tctattcagt	ctttagtagt	agatccctca	145140
ttatctgaga	tgcagagtc	cctttatttc	tgtgaccatc	tcgttggttt	tcagggagtg	145200
tctcattcaa	ggcctaacac	tgaggacatt	tcactgtgct	atgccaatcg	ctctgcagcg	145260
ctcttccatc	tggttcagta	tgaagtgagt	attgaagaac	ctggtgtcct	gcctgtggct	145320
gcagtggaaa	atgagctcct	ctctgttctt	ctgcacacat	tgaaatcaac	tagcttgcaa	145380
acactgacat	ccaccagac	ccattctctc	ttctgactca	tgtcacctct	cataggtgac	145440
cacaaacaat	atgtagttga	caagaagtag	ctatgtcatt	gtccacagtg	catggatttg	145500
ttccaatagg	ccagcacttc	tgtgtccata	tcagctagat	gtgctgctga	tagtatttta	145560
gattccaaaa	tgtgtccaga	tattaccttc	tctgthttgt	tcttctaaat	aagccaggca	145620
caaagacttg	aaagatggct	tgatggctct	tccagaggct	gggtttgatt	cccagcccca	145680
acatagcagc	tcacaatagg	ctataacgtc	atttccaagg	gggtctgactt	cctgttctgg	145740
cctctacagg	cagaaagcac	agacatacat	gcaggcaaaa	cacataaaca	taattgaaag	145800
aagatattaa	ataatagccc	acgcttgagc	ttattcctct	gatgatacag	ctctcctgaa	145860
gtcatcatgg	gcagtgtaaa	agtaaagggtg	ccccgcctcg	cccaggggca	tcagtgaggt	145920

agctgactgt	gagtggcttt	cttctcatcc	cctaactgct	gcaacatcat	caactgtgga	145980
gcattatatc	cgtggatttt	aagttaggaa	atgacaaaga	ttagatctat	ggccaggcac	146040
tagtgcacgc	ctttaatccc	agcactcagg	aagcagaagt	aggtggatct	ctgtcagttt	146100
gagttttacag	agagtgtcta	ggcagccagg	gctatataga	gaaattctat	ctggaaagaa	146160
taaacaaatc	agatctgtat	ttcaggaaga	tgcctatgag	ctgtttgaca	tgtgtgatag	146220
aggtccttaa	ggacaggaaa	gtattccaca	tgtgtgcatt	ttacagaaat	tggttatata	146280
ctggagttaa	ggactgttgg	aatagttgaa	tgttcacact	cagtgttctt	caaatacaat	146340
agaagaacaa	gaatctatct	gggcatgggt	atgcacaact	gtattcctaa	catgtagaag	146400
actgaggcat	gctatgtgtt	tgtggctaac	ctgggctaca	tagtcaatat	tggacagtca	146460
gagctgctac	taaaacctaa	aaaacaaaaa	tctaataatc	tgggatttta	tattttcctt	146520
tttttaaaaa	aagagtgggc	agaatgtctc	tgattttgtt	cagatggcca	cagaacctag	146580
aaaaactgct	gctgctgctg	ctgctgcata	gcacacagct	aatatttgac	tatacgtata	146640
taaattttgt	tgtatacttt	agctgtgctg	tcaactttgg	aaaaaaagta	tcccagttta	146700
tcatttttaaa	ttggcactgt	acagaaatta	acagccatat	tagtctagac	acattaaact	146760
tcattttttcc	atttatacag	aagcaatgta	ctgtattaaa	tattcagtct	tatctacagg	146820
ggtttgatta	cagaaactat	caaagtattc	tctaaatgat	gaaaaaagat	tcaagaatct	146880
gactgtagat	ccaaaggaca	agtggagaaa	aacttaggaa	gaattttccc	tttatccccct	146940
ccctatatattg	atcatctctt	ttactttctaa	taatagtggc	catttattga	acatacccag	147000
gagttccttt	catcacttta	gatataataat	ttatctcatc	ctaaaatgac	ctggtgatga	147060
gtcatctctc	tttcagatga	gaaacaaaga	cattgaaaaa	tctaacttgc	ctgcataaga	147120
tcacacctag	cctcttactc	actccatgaa	tattcctttt	ttttttttcc	tttgagacag	147180
aatctcacta	tgtagtcttg	gttgctctag	aactcaatat	atagaccagg	ctagcctcaa	147240
actcacagag	atctgatagc	ctctgcctgc	cgagtgcctag	ggttaaatgg	atgtgtcacc	147300
aagcccagca	aaattttacct	tcttaatttt	ctaagacgtt	tctcctctta	aaaaatggaa	147360
ctattgagcc	agtcattggtg	agacaggcct	aatctttaat	ctcagcactt	aggaggcaaa	147420
gacaggccta	tgggttcggg	gcagcctgat	ctatagagag	agttctatgg	gttaaagttt	147480
agggttaaaag	ttttgagaca	aaactttgtg	tcaaaaacaa	acaaacaaag	ccagactgct	147540
taataagaca	aatcagacat	aatattataa	acaagtatta	gtgtcactca	attaaaaagt	147600
cactcaggag	gtgagatcaa	tccccagcat	aatgagggga	ggaggggaga	gaaggaaatg	147660
aatgggaggg	gaggaggaag	gaagagagaa	aaaggaaaga	tctcaaagca	gaacacagga	147720
tgtaatttaa	ggcctaagct	ctcgactgaa	gttgctcact	tttaatgacc	cttttcatgc	147780
tcatgggtttt	ctgtcttcgg	tacatagtga	agagtggaaa	ccaagggtca	tcctggaatt	147840
tccttttgtt	ttcaggcatg	tcttaaagac	atagtggaa	caggtatgca	tgggtatcct	147900
gaaagactgc	agcccaagat	gatggtgcgt	aagacagaat	gcctggtgaa	cctggggaga	147960
ctccaggagg	caagacagac	catcagtgat	ctcgaaagca	gcctcactgc	caagccaacc	148020
ctgggtgcttt	cctcttacca	gattctgcaa	aggaatgtcc	agcatctgaa	aataaagatc	148080
caagaaaagg	agactctccc	agaacccatc	cctgcagctc	tcaccaatgc	cttcgaggat	148140
atagccctgg	gggaagagaa	cacacagatt	tctggggcct	ccctctctgt	cagcttatgc	148200
acacaccctt	tgaaggccg	ccatctagtt	gccacaaaag	acattctccc	aggagaactg	148260
ctgggtgaagg	aagatgcttt	tgtaatgtgc	cttatcccag	gagaaatgcc	acgacctcat	148320
cattgccttg	agaacaagtg	ggataaccaga	gttaccagtg	gagacctcta	ctgtcaccga	148380
tgtctgaagc	acactttggc	cacagtacct	tgtggcagct	gcagctatgc	caagtattgc	148440
agccaggaat	gtatgcagca	ggcatgggac	ctctaccata	gcacagagtg	ttctcttggg	148500
gggctgctcc	tcacactcgg	ggtcttctgc	catggtgccc	tgagaatgac	tcttttagcc	148560
agatttgaa	atggtgatag	agttgtaagg	atgctttgtg	acgaggttgg	tagcacagac	148620
acctgtttac	ctgaaagcaa	gaatctggtc	aaggcatttg	attacacaag	tcaggggagag	148680
agtgaagaga	agagcaagat	aggtgaaccc	ccaattcctg	gatgcaatgt	caatggaaa	148740
tatggaagta	attataatgc	tatcttcagc	cttttgcccc	atactgaaaa	gcatagcca	148800
gaacacagat	tcactgtgtc	catcagtgtc	tccgcactgt	gcagacaact	caaagctgac	148860
agcgtgcagg	cccaaacctt	aaagtcccct	aagctgaaag	cagtgaaccc	agggctgtgt	148920
gcagatttga	ctgtttgggg	agcagccatg	ctgcgcacaca	tgctacagct	gcagtgtaat	148980
gccagggcaa	taacatccat	atgtcacaca	ggtaagtcag	aaatggtttt	tacttacatt	149040
attgggtattt	caagagctaa	tgtttaagga	gaaaaacact	ataaaggaag	cctggcatca	149100
aataaatcag	tgacctaaaa	ggaaaacaca	gccgtcttat	atatcattat	gctattgaga	149160
agcttttgagc	acattttctgt	gaacccagag	cttggggaggt	ggagatagga	tgattaggag	149220
tctaagacag	cttttagctat	acagcacgtt	tgaggtcagc	ctgaactaca	tgagaacttg	149280
tctcttaaaa	acttgagcca	gagccaggtg	gtgggtggac	atgcatttaa	ttctagactt	149340
caaggaggcaa	aggcaggcag	atccctgaat	ccagcctcgt	ctatatagtg	agatccccac	149400
caggctacat	agtaagatcc	tgtttcgaat	aaataaatat	aacaaaaaca	gcaataataa	149460
caatagcaac	aaattaattt	tttagatgta	tttatattat	ttatgtatga	gtacaccatt	149520
gcttttttca	gacacaccag	aagagggcat	tggatcccat	tacagatggg	tgtgagccac	149580
catgtatgtg	gttgctggga	attgaactca	acacctctgg	aagagcagtc	ggtgctctta	149640

gccactgagc	catctctcca	gtccattaat	taaaaattta	aaactagagt	atttttaaac	149700
atttattcat	tttgtgtgtg	gtatacatat	tataatacag	gttcataagt	caattctctt	149760
ctaccatgtg	tgtcttggag	atcaaactca	ggttcttagg	catgggagca	agtatttact	149820
tccctgaacca	tctccctagc	cattttctagt	attcttttct	tttgtcttga	aagattttatt	149880
tattatatgt	aagtacactg	tagctgcctt	caaataccgg	aaaggggaat	cagggtcttgt	149940
tagagatgat	tgtgagtcac	catgtggttg	ctgggatttg	aactcaggcc	ctccagaaga	150000
gcagtcagtg	ctcttaactg	ctgagctatc	tccagcccca	tttttagtat	tcttattaag	150060
tggtttccat	tttatccaaa	gatgccttta	agggccttgg	aagatggctc	agtggggcatt	150120
gaacttggtg	tgtgagcatg	aagaccagag	ttcagatccc	tagcaccag	gcagatgctg	150180
aatgatggtg	gcctgcctga	gattccagga	caacggagac	agacaggggc	cctagctaac	150240
catactacac	actagctgag	ctgtgtgctc	aagagagcag	ccctggctta	ctgtgcagga	150300
tggagagtga	tcatctccac	aggcaagcac	acacctgagc	acacagacat	gcacaaagga	150360
aagaaaagtc	cttttaaggt	gggtggtggtg	ttgtgttttg	ggggtctttt	gttttgtttt	150420
tttctccccc	tccctcattg	tgatggcaca	ttcctttaat	ctcacatctg	ggacaaagag	150480
gccggaggat	ctttgtgaac	tggaggtcag	cctgttctac	atagcaagcc	catttcagcc	150540
aggacgacat	agatataccc	tgtctcaaac	agacaaaaat	tatttatttt	atataatttg	150600
atgttttgcc	tgcattgtatg	tctatgcaca	ttatgtctgg	tgcccatgaa	agccagaaga	150660
gggcatcaga	tctctcagaa	ctggaatttc	agacacttat	caagtactgc	ctgagtgtct	150720
ggaatcaaac	caaggtcttc	tgggaagagca	gcaagtagtc	tttttttttt	ttaatatttt	150780
tttattacat	attttctctca	attacatttc	caatgctatc	ccaaaagtcc	cccataccct	150840
ccccccccc	ccccgagcag	caagtatttc	tcatgtctgg	gccatctccc	catctccttt	150900
tctagttaat	taagctgaaa	gggagggagg	tagatgttgc	ccaaacttag	gattttattga	150960
cagattaata	ctctgttagc	ctaactacac	tatagaagct	tattcttttag	actttcacat	151020
tacactgtcc	agattttgccc	atcctttttg	ngtgtatatg	tctacagatc	ttaatcagc	151080
tgccaattta	tacagtgttt	ataggtattc	tttgtgacgt	ggatctttta	cccatcttaa	151140
agcagtagga	tttgaaagct	gacatttatg	tggcctatgg	tcctgttaaa	tcacatttca	151200
agttagtctc	tgtggtacac	attttgggg	ctatctgcgg	ttccgcatct	cacacttttc	151260
cctctcaggg	tgtccagaag	ctgctgcaca	ctgggctgga	aggatgaagt	ggagtccaga	151320
gtgagtggaa	ttctgcagca	tcccgggtcca	gctgggagtg	aatgctgggg	tcaggaggag	151380
atgggtgaga	gggccttctc	caagggcctt	cttagtgcta	cagctctagg	caaaggcctt	151440
ctctgacaat	taagcctgt	gcatagtttt	ttattcgaga	tgagcttgta	tgacataact	151500
ttattggcag	taaatcagag	gttatccact	cttaggggaag	gagataggaa	taccaaggt	151560
ggacagaggt	cattggctga	aggataacgt	actgagatgc	tcattagcac	ggggaggcat	151620
cccaggaatc	tcagggtgctt	gctgactggg	tttcttaggg	ggttgagagg	gtagcagtga	151680
tttcaccaag	gttatgtatg	gcagagggta	taggggtttc	aggctcccca	gacaaagaag	151740
gagaaggaga	agccctgctg	ataagggaag	tccccattt	tgagccactt	cagaaggcta	151800
tcaagacact	gatagacttt	gtccttaatt	agcagggccc	aacaagtgtc	tgttttcttt	151860
tctgccttca	ttggctcttt	gagccactgc	tacaaaatat	ccaaatctgg	gccaggaagc	151920
tggctcggct	agtaaagggtg	tttgctctta	agcctgaagg	cctgagtttt	cacttgattt	151980
ggtttgggtt	ttgttttttt	gagacaagg	ttctcagcat	agccctgggt	attctggaac	152040
tcactctgta	gtcaggctc	aacttgaatt	cagagatctg	cctgcttcta	catcccaggt	152100
gcttagatta	aagttgtgctg	ccaacactgc	ccacctaaaa	aaaatatgag	gggctggtga	152160
gatggctcag	tgggtaagag	cacccgactg	ctcttccgaa	ggtccgaagt	tcaaattccca	152220
gcaaccacat	ggtggctcac	aaccacctgt	gatgagatct	gatgccctct	tctggtgcat	152280
ctgaagacag	ctacgggtgt	acttacatat	aataataaat	aaatcttaaa	aaaaaaaaaa	152340
aagaacacta	ttcacaaggt	acaacaacag	tgtactagga	aactttaaaa	tagcccatca	152400
ttcattctag	gggaaaaatc	tttttaaaact	ttagtgtgta	agaaagagag	aggggctgta	152460
gaaaggccac	agcacgtgta	tccagggttag	gagtcactt	ttcagaagcg	gagctctccc	152520
ttctacctgt	ttttgaggga	gtctcttgtt	tctgccctac	actttgtaca	tgaacttcaa	152580
gatggttgtt	ctatttctgc	ctctcatgtt	gccctatgca	tgctgagctt	actgatgcca	152640
gccaccacat	aagcatggca	ccagcactga	gccaagggca	ggcatctggc	tcacatggag	152700
agttacccat	caagccatct	tgctagcccc	agaaaatgta	tttttgacag	gtgtggtggt	152760
gcacatattt	aatcccagca	ctcaggaggc	agaggcaggc	agatctctgt	gtctgaagcc	152820
agcccagttt	acaaatcaag	tcccagaata	gccaaggcta	catagagaaa	ccctgttttg	152880
aaaaacaaac	atccttctgt	gttccagtca	caatgactgc	tgtaacaata	atatgaggat	152940
ttgggcgtgt	caaaaaatcac	aagtagcaag	gtgtaatggg	caggccttta	gtctcagcac	153000
ttggggaggca	gaggcaggag	gatctctgtg	agtttagcac	agccagggct	gttacacaga	153060
gaaacctgtg	ctcaaaaaaa	ccaagcaaaa	atagaattac	aagttaacca	gggtattggg	153120
gttaatatatg	aatagcagaa	ctcaagatat	ctaattgaaac	aaaggattct	attttataaa	153180
ggagacattc	catactgaaa	tatatgcaga	gcctgatgct	tgccctagcaa	ctgaactaca	153240
cnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	153300
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	ngcctgggca	agagtaagca	153360

aaccgtcagg	ctcagaggca	ggatggcagt	gatgtgtttt	ggggcacaag	gccccctttc	153420
attaaagcac	caaatcttgt	actaaaaaca	gccctctgct	ctcgatctgc	agagatacga	153480
gagaggcaca	catagcttcc	gggcccttgc	cctctgctct	cccggtcagt	tccctggactc	153540
ctggggagaag	cttgaagctc	aagaactggc	cgctgttgcc	tttgtgctga	cgccagaacc	153600
agcagctatt	cagcagctgc	ggctcttggg	caagcttggg	agtagctcgt	tccttctcct	153660
tctgcagggg	aaagacaagg	agatggcact	gagctgggta	gccaggatgt	gggaagtaaa	153720
tttgtgtctat	gtgggtgagg	gaagtgccgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	153780
gtgtgtgtgt	gtgtgacaga	gacagaaag	gagagtgcct	gttcttgtgt	gttctctgtga	153840
gtcagtgtct	cctttggctc	ctcctgccaa	aaagcatgct	gtgttctcag	agtcaagctt	153900
ggccaggctc	gcccacccca	ccaaagccca	ggatctgcca	ccccattaag	aatgcggggt	153960
taggaaataa	aaaacagggt	tcttgtccaa	gagaattttt	attattattt	tttctctctt	154020
aattggattc	agcatttctt	actcctcagt	atcctctctg	gtaggggaatt	caggctgtgc	154080
tatgcagagc	acaagagact	gtgcttgcca	gaaacccttg	ggccaacagc	cctattcctt	154140
gactgggctt	gcctgcaggc	tgcccttctg	gctgaccctt	gagtctggcc	ctctgacctc	154200
tgcccgctct	ggggctcatc	aggaggagca	ggaccactgt	gatacagggt	tcctgagatg	154260
gctactgaaa	caccctcatc	tgctaaggcc	actagatttt	tttcccactg	ccagactact	154320
cagggccctc	agtaggtcac	tggccaaaga	gcctagatgt	taaaactgca	gctaaagcct	154380
ctcctgaggc	cagagctcag	agcctccctg	gcctgcacaa	agtgtcaaga	aggacattgt	154440
ccatccaacc	cattggacta	acactgtaga	cgctgccttg	tctgccagct	tgaaaacccc	154500
agaaacctct	tccccagctc	cgcctagctt	gcctccagca	ccctgacatc	cacttctctc	154560
gctaattgtct	gcagcttcta	cagtaggggg	tacgggggtg	tccgggggtg	cagacaggcg	154620
tgtgttgcat	ataaaaacga	ggtgatgttc	taagtatcta	agaatgttgg	tccccggaag	154680
tgattcttgc	tgttctctct	ccttcccagc	tcttcccact	gacaccttgc	ccccagcaa	154740
gcccagggac	tattgttgct	ggctgggggt	ctgaacaaaa	ttgccgcagt	tttttgtttt	154800
tttttttctt	gctagaagtt	accgatacag	tccttaattg	agcaaataata	ggttcccgtg	154860
tagtttataa	acatgataag	acatacagtt	tggttaaggag	tgggttgggg	gacctgtgca	154920
tttatatatt	tatatatata	tatatattat	gtgggtgtgt	gggcagagtg	aggatatata	154980
taagtggaca	taggtataaa	actgcacctt	ctgtgtgact	ctcattgcga	gtacagttct	155040
aatgtctatc	cactggcgat	ctctcctttg	gtgattgggt	cttggacccc	agcagggtctg	155100
ccggggggctg	cctgagacgt	caggaatgag	aggcattacc	cccattggata	gggagctagg	155160
tgggcatagg	gttgacagag	gcagggtaac	taagtgatct	cagacaagag	ccaagagtgc	155220
tctgagattg	ctgggtgccc	cagctggctc	tgggagagcc	ttgttctgag	tcctgtctct	155280
tccaaaacca	gcagggtcct	tcagcccttc	tctccaaatg	accaggcttc	cgcagagccc	155340
agcttcttca	aggggcgcct	gtcccgacac	cactaatgac	tcactttgcg	tgcccttgac	155400
cactgtgctg	gagtggatac	ggtccagagg	cgctcgggtc	ggacagccga	gtgagacgtg	155460
atacccttcc	cgtctacggc	tgtacatttt	gggcttataa	tccaccagga	aggggtccaga	155520
cggtggctga	aggcttcagc	agccttttcc	tgaacccag	cagatcttcc	acttaggaaa	155580
aaaaaaagaa	agaaagaaa	aaaagaagaa	aaaaattctg	ttccttgctg	gacatgtggc	155640
agtgtctgggt	gacggagccc	tgggtcctca	gcggagagtg	actgccagcc	ccagtatcca	155700
ggccaggagt	ggggcccca	gggcccgtgc	tgaggatgcc	tgctgcaccc	cactgggggc	155760
acggatgggg	gtcctgcgag	cacacttgcc	cttctctctg	ggctcgtgcg	tgggcatgat	155820
gtcaaagctg	aacttgtgct	gatagtcggg	ggcatagtcc	tgcagttcgg	taagctcttt	155880
cccagagctc	accttagaga	tctggttccg	gttctctgtg	ctggtgcagt	tcttgccctg	155940
cttcttgtaa	cctgacctgg	agccaggcgg	atggccatgt	gggtggccct	tgtccctgga	156000
ggccccatgg	gacggatggg	gctccttgcg	ggcagccctg	tcagaggtgg	taagcgtgtg	156060
agacttgatc	tggtgaggag	acactggctc	tgtgcagttc	cggaagtcct	ccaccctcag	156120
cagcttcaga	tcctggcctt	gccgcagctc	gggggtcgcg	caggggacag	cagagctaga	156180
gccacggaac	cttcgcagcc	attcccacag	ggaacgtgcc	cggcagccac	agtcccaagc	156240
attcccattg	aggcgaaagg	actccaaggc	caccaggggg	gccagacagt	caccctgcag	156300
ctcagtgagg	ctgttgttga	agagaaagag	ggtggttagc	ctgtggagggt	catggaaagc	156360
cttgtgggtg	accactgtga	gctggttctc	atgcagcagc	aaccgggtcca	ggttcaccag	156420
gccccggaag	atgccttggc	ccaggctcca	tagcttggtt	ccatggagaa	acaagtgact	156480
gagattgacc	aggtccacaa	agatgtcatc	ttggaggtac	tcgatatggg	tgtcctgcaa	156540
gtagagatac	tgcaggctgt	gcaggccacc	aaagatgcct	gcgggcaggg	cgctcagtc	156600
acacttatag	aggtagaggg	cgtgaagctt	caccaggcct	tgggaaggct	cgggtgccag	156660
cgttcgcagc	tgctcggttg	ctccaaggct	tagctcctcc	agatgcacaa	agccctcgaa	156720
ggtgttgagg	gcaatgaaa	tgatgttgtt	ggagtatagc	cagagggtga	ccatggcggg	156780
gctgaagtgg	ccctgtcggg	ggaagggtat	gcgattgttc	tgcaaggaga	tgcgctcact	156840
gtcctctggg	atgcctccg	ggatggcagc	aaagttgtgt	gcctggcagc	tgacagtcac	156900
gggcgcaggg	tagcacacac	agtctcgagg	acaaccacca	cccagaggta	gctctccagc	156960
gagcagcaac	agcagcaatt	ccacacagca	ccctgggtgg	gagagacaga	acagcagtga	157020
ggggctgccc	agaggagggt	gagatagatg	gggaacagag	ggtggaatgg	gggactggca	157080

aatgactctg	ttggctcaca	gaggttctgt	cctctgtatt	gtatgcaggg	gtcccttggg	157140
cagggcattt	ggggccaagg	cccacattat	ctcctcacct	ctttagctct	gtccctaaag	157200
tctctaattc	catccgaaca	cttcttcaga	ctgtcagccc	caccgcaggg	tggaacacac	157260
ttgtgaacac	aggcgagtcg	gcctccggcg	ctgggtccgg	ctctgccact	cgctcactgt	157320
tagctgcctt	agcaaggaat	gactctaaca	aagcaaattc	ggagtcctga	atgatcactt	157380
tatttaaata	attcctcaaa	ataaagaaag	cattgagtcc	atggtaccaa	agcatgcctc	157440
aataagcgcc	tctttcacac	tgtggtacaa	aaacttcaaa	cctacaactc	ctccatggct	157500
gtttcctcat	gagttaaaca	cagttcacag	ggctgtgtgt	acagacaagg	cacatttctg	157560
tgaggggctg	tgagtgcacac	cagggctgac	gcacgaggct	tcccttgggg	ttcacagtac	157620
tgccagatcg	aggctgcatg	ctcctctccc	ccattcacac	ccccccctcc	tgtgctggag	157680
attgccaggc	tgtggctgta	aaaccggggc	ttgcctcttg	actgtccaga	gcatttctct	157740
tgtagcttcc	ctctaattgg	gcattaatta	ggcattcgtt	aatggatcct	taaaataatt	157800
attttcggat	gtgtccagcc	tgtggtcggg	taataggcct	atgctcatta	tggaagccgc	157860
ctcattatgg	acgattgtca	ttacctgcct	ttttccaggg	tcacagctgc	cccaagtggc	157920
ccagcaggcg	cgtcaggaag	atggggacag	gctccaggcc	tacgggcgcc	caccctgaag	157980
ggccaggcag	ccacgacctt	tgtgcctca	gttgccctct	tgcccttctt	tttccagctt	158040
gttcagctgg	gactcttggg	agagccaggg	cccctggggg	aatatgagct	gagctgaatc	158100
ttcttgctgc	tagctgtgct	cagagcaagt	ggaaggagca	gggaccttct	gaccaggctt	158160
cccacttggg	gtcccaggcc	cagggactgc	ccaggccccg	gcagagtagg	ttgccacctt	158220
gacttctgac	gccccccccc	cattcccaac	agaaacagca	tcgtaagttg	acagctccca	158280
gctgttggga	gttatgggct	cccagagagt	ggcagctgct	tctcgtccct	gtaatcacc	158340
ggcttcagct	agaattgttc	tagcacataa	aaatcatcgc	atataattta	gtttttgcat	158400
aattgggttc	agtgtgtgatt	tcagagcaat	tatgacctca	gcagcagggg	tggcacagca	158460
taggaccctt	ttctggggcg	ggccatgccc	tgcaggccct	ctgcagtgtc	ttctgcccac	158520
cggcccttag	acagcatgca	ggctataacc	atctctgcct	caatttctct	ctccaaaacg	158580
tgtctagatg	ttactctgtc	gatcttctct	ctcagcatcc	tggtgtgtgg	ctccagcctg	158640
ccagcctctg	tcctagggat	cctgtgctgc	agagggaggc	acagtcggag	ggaggggagc	158700
ctgccctgtg	ccaccagcac	tcacactggc	tgcacagtcc	acagaccac	agctccaacc	158760
tccctgcttg	gcttgcaacc	tctcttccag	gaaggccatt	cttgccagaa	ccttttccaa	158820
cggccccctg	ggaaagcctg	gactctaggt	tcaaggacat	tcagtatgct	tgccccacat	158880
tttatgtctg	atgagacaca	gcagagcctt	cttcactggg	gggtcctgtg	aaaatgaaag	158940
cttttcttcc	ccggcctgca	gctgcaggca	ggtaggggtt	gcagtgggct	tatcactaat	159000
accattcgac	atttgtacag	ctcatcgagg	tttacagagg	gcttttgttg	taccctcaac	159060
ttccccctgt	ttctcccacc	tactgtggct	gctctgtctc	tgtgcacccc	aaaagaattc	159120
ggaagtcctt	tgaggagatt	acccccctta	catagggggc	tccaaggaat	acaggctaca	159180
gctctattta	ggaaaaaaaa	aatcaaaactg	aaccaaaact	caggtgtgga	cttagtaacc	159240
agttttataaa	cataccgtgg	caagtggagg	aggcaggcgg	cagaacggca	tgaaggtagg	159300
actggggttt	tccctctaaa	agggcaatgg	ggggacaaag	ggactctagc	caagacctga	159360
tgcagaacca	ggctcagttc	ccctgttatc	tcaaggctat	catcactagg	aggcctaagg	159420
caatggacca	caaggacctt	gtccttgtag	gacagtcact	tcctgcagtg	aagtgcctct	159480
ctggaagcat	actaatagga	tgtaggctca	ggacagctgg	tctctgtcct	ttagtatttt	159540
tccacatgcc	agggatgtta	accttccaag	cctccatctc	ttctaattgg	gggggggtgt	159600
tgaggggctc	agccactctg	catccatgtc	tttgaaagcc	agtggattaa	ctccaggacc	159660
ctgagcaagc	tgtcctagtc	agccctggcc	acttctggac	tccttgcttg	agtcagtagg	159720
tgccaatcct	aggattgtca	ccagcagggt	tcttcttagg	gaggcaagca	ctgtatcacc	159780
atgggcgcct	ctatgcccc	tctatgaggc	ccttggggag	ccgcgccac	tgattgcttg	159840
attaatgtac	caacaatgag	gatggagcct	ttgccatgca	ttttaacatt	gcaaattagc	159900
aggaatccaa	gtctctgtgg	aggggcccctg	cacctcttct	gccagactca	tcaagcgcct	159960
cttgggcagg	gctgccttct	acttgagggg	gcggaaggga	gaagaccag	ttccactctc	160020
cttccccctc	aggaggtgcc	cttcacgtgt	ttctgcttcg	ttactctcaa	gcctccggcc	160080
tcccacgcac	gtgagctccc	aaggggctct	acagcctccg	tcattccttc	ttccattcat	160140
acttgcccc	tagtctagga	gagccatgga	agacagtgtg	ggaagggtct	gacaatgagc	160200
atcatgcccc	atttgcatat	gcggtggcaa	taccctgggtg	ggtaccagga	gagtataggg	160260
gaaattaaga	gaggggccta	aggaaagcct	ctgctatccc	tgggtacca	gtcagcattg	160320
cttgggtcact	gatccccctc	gtaacaccag	cccttctgca	acctgccaga	gtttttgacc	160380
tttgaactag	ggctgagaag	ggtctgctct	gttcagctgc	cttggctggg	aggggaatct	160440
gctcagacct	cagcacacac	tcaacagaag	gcatgcgaag	aaggagcta	gcagtgccct	160500
tgggtcagct	ggcaagcccc	aaactcttcc	tgccaagctg	agcatgaaaa	gccacctcac	160560
catgggtccca	tgggaccaga	cctggtagga	taggtggcaa	ggctaaggca	gcggaatagc	160620
atgtgcaaag	gcactggggg	gggaaagggc	ctgtgcttct	cacccccctc	aatgggtgcag	160680
agcctccaag	gaatactgta	acctcagctc	agctgggctc	gggtggccag	agagcttggc	160740
accagaacca	gcatacaacg	ggcctgtctg	ctaaaccag	acctcacaag	ccagtttagt	160800



aggggcccctg	tagcaccctg	gccaccagaa	ctaacgagga	agatctgacg	ctgggaatat	160860
gtctttaatg	aaaagccctt	ccggaagcca	catttgacac	gaagaaaatg	aggtgcccag	160920
agcatcagtg	ggctggttgc	agctggagaa	cacagcaggg	ggacaggtcc	taccaagcta	160980
ccctgccttc	aggctggggc	tctagccagc	tccctgatgc	ctggagtagg	taaagcagcc	161040
tcgaaatggg	ctgggtcagc	tttttcaggc	tccaaagggg	caggacagct	gctgcagctt	161100
agcacccaag	ggggctgccc	ctctacccct	aagtagaggc	atccccatgg	cccctgggca	161160
ggtcagtggg	tctctctgaa	gctttgtagg	ctgcttcttg	gccatgtagc	caatctctct	161220
ggccttcagt	cctccctccc	tgcccccagc	ctggccagct	gctcttctct	gagcaatcga	161280
tgtaaacga	atgctctctt	gctgtgggga	tggcggcctc	aggccaggcc	agctgcactc	161340
ctggggctgc	tggcgccctc	ggccacttgg	cacttgtgcc	acttgtgttc	taaacacagg	161400
ctccttctctg	gctcggccct	gaagacaaga	aagctggcca	gggaacagct	gggctcccat	161460
ctcagcctcc	actgctgtgc	agagcggccg	gcagcctcct	atccatggct	gtgagttagaa	161520
cagggtctgtg	gagccagagg	cctaagttga	atcctggctg	ctccttttaa	tgcttgcaagg	161580
agcctcgttt	tcctcacctg	caaaatgggg	cagtcattgg	aagctcagcc	agtcctccag	161640
cccacagata	ctggtaacca	cctgcccttc	ccacatctcc	atctgtctaa	ctgaaaccat	161700
ccaaaccaag	ctcttctctt	cctctccggc	ctcctccgtt	cacaacttct	ccatcttggg	161760
taaagatggt	ccctttacat	cagctgcctg	ggaggaacac	ctcagaatca	ccgtggctca	161820
ctctggggaa	attctgctgg	ctagatttta	gaatgtatcc	agtatctatc	cacttatcat	161880
actcgctatt	gctaccattc	accagtagc	ctcctggatg	ccctcccccc	ccccccgcaa	161940
gccctgcctc	ctcaccccta	cacctccttc	aacaggaact	agggtagtcc	agggaaagtg	162000
agtcaggaag	ggctgctcct	tagtctgcat	cctccagagt	gcccattctaa	ctagaagctg	162060
ccccaggtct	ttctcccagc	ccagaggccc	tgctctcccc	tggctacaca	gaccttgctg	162120
ccgtccctcc	cacatcccag	ccctcagcct	ccctcctgcc	tttgtccatg	ctgttccatc	162180
tacctggacc	ggttcccagt	gtgtctgcag	ggctgcttcc	cagagaagcc	actcttgagc	162240
agcgatttgc	aaggagcttc	tttcctggga	cattttactc	tacagcacgc	gacctcttgg	162300
acagcacgac	ataagtcact	tgtttccttt	atgtccgctg	ccactttgtt	ctgatgagtg	162360
tgctccctgc	acacagtagg	tgctcattaa	cagttctggg	ggaggggaatt	accttctcaa	162420
gtctctggag	aattgaatga	tgacactcag	gaagccctag	gctcaagcct	ggggcctgga	162480
tcatagtagg	tgctcgataa	atggttggtg	taattagtcc	tgggagactc	agagccttca	162540
ggagaacaga	cacctgaact	tggctcacat	caagactcct	taggcccata	aaggaaagtga	162600
ccgtttggtg	gatgagcact	ctgagaagga	cccaatacca	gtcctttcct	gggcaagggg	162660
aaatgacttg	ggactggggg	gtttcccaag	gtatgggatt	ttcagcacta	aactggaata	162720
atgctaaaga	aaaaaaaaag	ttagtcactc	taaaaggggc	caggacccaaa	acctttcaaa	162780
cagaaatgtc	tgggtttatg	aagagaggaa	gccagatatg	gtggggcaca	tctttaatcc	162840
aggtgcttgg	gaggcaaaga	cagatggagc	tctgtgagtt	tgaggccagc	ctattctaca	162900
aagtgagttc	taggacagcc	aaggctacat	agagaaaccc	acttgacttg	ccacccaaat	162960
taaaaatctt	agtgggggag	cagtcaagga	ggaaacacac	acacacacac	acacacacac	163020
acacacacac	acgttagtat	aatatcatac	tatggctctg	tgcttgacgt	ccaggaatga	163080
gggctgaact	cagagtgtta	gtgtgtgcta	gtggatattt	gagctctgta	tttatgtgca	163140
tgtctgtgta	gatgtgtacc	tgaggtgttt	atgtgtacac	aggtgttggc	ctgttgcata	163200
tggatggaga	catggttggtg	tttgctaggc	atctgactgt	gtctgagttc	atgcacataa	163260
actcacatct	acctctggag	actgagagtg	acaaccagg	gccccttttat	cctgcagcac	163320
cccaggccca	gcaccccgac	ccagcatccc	aggcccagca	ctccagaccc	agcacccag	163380
gcccagcatc	ccacgcccag	catcccaggc	ccagcacccc	agacccagca	tcccaggccc	163440
agcacccag	accagcacc	ccaggcccag	catcccaggc	ccagcacccc	gacccagcat	163500
cccaggccca	gcaccccgag	tccaagcact	caatgcccag	caccccgacc	cagcatccca	163560
ggcccagcac	cccaggccca	gcatccaagg	cccagcatcc	cagggacagc	accccaggcc	163620
cagcatccca	ggcccagcat	cccagggaca	gcaccccagg	cccagcatcc	caggtccagc	163680
atcccaggga	cagcacccca	ggcccagtat	cccagggaca	gcaccccagg	cccagtatcc	163740
cagggacagc	accccaggcc	cagtatccca	gggacagcac	cccaggcaca	gtatcccaca	163800
tggaggcagc	acatactgaa	gatagggaat	gtctctgagg	cctcttatct	tggtccttac	163860
cctcattgct	ttcagcacct	gctctcctca	cactcggaat	caaacaccct	gtgcaggttc	163920
tcccagtagc	aggattcccc	tcagctgagg	aatgggtagc	taccattttg	gcttttgtct	163980
gtctgggggt	ggcagcccca	tgctaatttg	actgacagtt	tctcctgaga	gcaatttggtg	164040
cagcacatcc	tgcccattag	gcctaacctt	gcctgcaggg	gtgtgctgta	ggggcagggg	164100
tggagcctac	cctgtatagc	tctgtattga	ggcactcccc	caagctatga	cccatgccag	164160
tgggagtcac	ttcacctagg	caactccaga	tgggcacaaa	aatctctcca	ataagggtag	164220
gtatgggaat	aggttaaggag	agcatagtga	gcctggctgg	gcacctgaga	cctgagcagc	164280
ctgcacggga	gattgtgtca	ctgtgggtcc	agactgccaa	gacatcttgg	ctttcacccc	164340
aaactcagga	ggtccagaat	ccagagctct	taagagagca	gatgctgaga	ggcacttaac	164400
ccagggttaa	gaccttccct	tggacggttt	cttggtcttc	tactctgtcc	tctgtcccag	164460
tctgtcatcc	ccatctgtgc	ctaacagctc	tctgtggaaa	acatgaggcg	tatgagctct	164520

ctactttctcc	cagcatccca	tgcccgcacc	ccagctcact	gtgtgccctc	atgttactca	164580
aatctttctgc	taggttttgag	ggccccaggt	tgaggctgtg	ggtttccctc	catctgtccc	164640
tccctttttac	caccaccact	aatcctcttc	ctcctcttcc	tctcttctcc	cctcctctcc	164700
tttctnncn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	164760
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnna	caaaggacgc	164820
aaattgaact	tacagaggaa	acacaaatga	gctgtaatga	cagaaaagga	atactatttc	164880
ccttgtgatc	agaaagctat	agattaaacc	ccagcccttt	ttgcctttgt	ttttcatatt	164940
tagtggttct	ggggactgaa	cccaagggaag	gacagctgct	tggaaatggtg	gagacctctc	165000
aggcattgct	tatgctaagc	tgacaaaggc	tttctgaatg	catatggtag	tatctattca	165060
tcttaagatg	cctataacca	tgggtggagc	aattctctaa	gagtctgtct	gaacttctta	165120
agcatgtgct	caaaaacaca	cataaagatt	gtttactgaa	gcagtatttg	caacagtga	165180
acaaaaccaa	acaacaacaa	aaagtactta	atagctcatc	agtaggaaaa	agaacaacaa	165240
attgggacac	atttatacta	ttctcgttct	atcacacgac	tattaagaag	attaagggtg	165300
gaggatgaaa	agcccctgca	gaacaacgca	cacaatgaaa	ttgaatagag	aataaagaaa	165360
aaaatatata	gtgtatttat	gtaaaacata	cataaacaca	taaaaagaat	agaaaactct	165420
ttgactgtat	atctttgaaa	agaaccagca	gagtgtctatg	gtttataaat	gaaaagttcc	165480
cccaaaattc	ctgagttgga	ggttcaatgc	agagttcata	ctcttaggaa	gtaactaaat	165540
caggaatgct	ctgatcta	caatggattg	accaactgat	agattaataa	tctgaaggca	165600
acacttccag	gaggcagaaa	caagggtgagg	cctaactgga	ggaagtttgt	caccagaggc	165660
atgtccttgg	agaggctacc	tcactccttga	tcttccctt	tctccgcttc	ctggctgtaa	165720
aagtatttat	ttgactgatg	taactgtcat	ctggaggct	tactggctcc	atcagctaac	165780
ctaggcctag	ccctggaagc	ttctagcttc	catacaatct	aatccaagcc	tagaattgtt	165840
cagcctttag	gacttgctgc	tgagatcacc	gtttcctgtt	ctttctgaac	tctagctggc	165900
tgattcagtc	cccctgttcc	gggctcaa	tcctctcccc	gatgatttta	ttcacaatct	165960
gtcttttctc	ttggcctctg	aattgctctg	cttgggtctca	aactaactct	agcaatcttt	166020
tctaactctc	tgtctccttc	acactctctt	gcttggtctg	tctttactgt	gtctagtttg	166080
ttctctcttc	catccttctc	tgtaaagctc	tcccggtaaa	cctgcctcct	cctccccctc	166140
tgtgccgctc	tactctccct	ctcagctcta	ctgcactgct	ctccacagct	ctcctgtatc	166200
ctgtgctgca	ctctcttctc	cggtagccacc	tgtgtctccc	ttacgtagct	tccctttctc	166260
ctctcttctc	ctgagggttg	ggcagatcct	atcctgtcaa	acctttctct	gattcttcac	166320
tttgctgccc	actcaattag	acatcacttt	caagcaggag	tgccctcctc	acaaaccaac	166380
tttaccttca	ttgtttcaaa	ttaaagggtga	gtactaaagg	tgtgtctctt	tttcagccag	166440
tgagagtaaa	gatgtgtgct	aataagggtg	agccaactct	agctagaaat	agtttctttt	166500
tctccataaa	taacagaatc	ttagggttca	caatacgtac	aaatatcctg	agacagctgg	166560
ctgccatgtg	gtgaagagaa	tgcaagagag	taaggatgtg	ctcttgagg	ttcagatggg	166620
aataagcatt	ttcttgagg	ttggattaga	gtcattcctg	tgacactgtg	acaaaggact	166680
cgactacatt	ttgccatgcc	ttgagactgt	ggagggtgga	gcgatggatt	aatacactgg	166740
agtgaatttt	aaggcagcca	aggctgtggt	tggactgtta	ctagctacgt	ttagctggat	166800
ttatattaag	aattgggaac	aaaaaagcag	agtagaaagg	acagtttttg	cagaaggagg	166860
tttcttccata	tacaacttag	tttttatag	tagcttttta	tgttgctatg	acaaaatac	166920
cctatggaaa	ctgaagaata	aaaattttta	ctgaactctt	cttcacccca	gaacccgacc	166980
cctcccactc	agagattggt	cccggaaacac	tcttgaactc	ttcacccccag	aatgcttttc	167040
tgaactcctc	accctagagt	tcgaaccctc	ccaactaaaa	actgttccaa	gaacattttt	167100
gagataaggg	cctcctaaaa	caacctcaaa	atgaaccggg	tacattgcca	aataatagga	167160
catgacccct	tagttacgta	gattcccttg	gcagaacccc	ttgtcccttg	acagaacccc	167220
ctagtgatgt	aaacttgtac	tttccctgcc	cagctctccc	cccttgagtt	ttactatata	167280
agcctatgaa	aaatttggt	ggtcgtcgat	tctcctctac	accactaggt	gcatgagttt	167340
cgaccccgaga	gctctggtct	atgttccatg	tgctttcttg	ctgttggtct	attaaatctt	167400
gccttctaca	ttttgagtac	ggtctcagtg	tcttcttggg	tccgcggtg	tcccggggct	167460
tgagtgtctg	agtgagggtc	tcccttcggg	ggtctttcat	tttgggtgcat	tggccgggaa	167520
acagcgcgac	caccagagag	tccctagacc	acttagaggt	aagggtcttt	gttctgtttt	167580
ggtctgatgt	ttgtgttctg	tttctaagtt	tgggtgcgatc	gcagtttctg	ttttgcggat	167640
gctcagtgag	accgcgctcc	gagagggaac	gcggggtgga	taaggataga	cgtgtccagg	167700
tgtccaccgt	ccgttcaccc	tgggagacgt	cccaggaaaa	acaggggagg	accagggacg	167760
cctgggtggac	ccctttggag	gccaaagagac	catttggggt	tgcgagatcg	tgggtttgag	167820
tcccacctcg	tgcccagttg	cgagatcggt	gggttcgagtc	ccacctcgcg	ttttgttgcg	167880
agaccgtggg	ttcaagtccc	acctcgcggt	tgggtcacgag	atcgtgggtt	cgagtcccac	167940
ctcgtgcaga	gggtctcaat	cggccggcct	tagaaaggcc	atctgattct	ttgagttgct	168000
tgtggtcgac	gcagagtcgc	cgcggttctt	ggtttctttt	ttgtcttagt	ctcgtgtccg	168060
ctcttggtgt	gtctactgtt	tttctagaaa	tgggacaatc	tgtgtccact	cccccttctc	168120
tgactctgga	gcattggaag	gaggtgcggg	tcagagccca	caaccagtcg	gtggaagtca	168180
gaaagggtcc	gtggcagacc	ttttgcgcct	ccgagtggcc	aacgtttaga	gtaggctggc	168240



cacctgaggg	tgcttttgac	ttgtcactaa	tgcgtgccgt	caggcgaatt	gtttttcagg	168300
aggaaggggg	tcaccctgat	cagatccccc	acattgtgac	ctggcagaat	ctcgtccaat	168360
ttccacctcc	gtgggtcaag	ccttggaacc	caaactcttc	gaaactgacg	gtcgcggttg	168420
cccagtccta	tgacgccgga	aagtctggcc	catcagcacc	ccccagatc	tatccagaga	168480
ttgacgacct	cctctggata	gactcccaac	ctccccctta	ccccctgccc	caacagccac	168540
ctgcagctgc	cccaccacag	ggaccaatag	cgagaggggc	tcagggaccg	gcgggggaga	168600
ctcggagtcg	ccgaggccga	agccccgggg	aggaaggggg	gccagactca	acagttgcct	168660
tgccactcag	agcacatgtg	agagggccag	caccaggacc	taatgatctc	attcctttac	168720
agtactggcc	tttttcctct	tctgatttat	ataattgaaa	aactaaccac	cctcccttct	168780
cagagaaccc	ctctggactt	actgggctcc	ttgagtcact	tatgtttctc	catcaaccca	168840
cttgggatga	ttgtcagcag	cttttgcagg	ttctttttac	aacagaagaa	agaaaaagaa	168900
tcctcataga	ggcgagaaaa	aatgttcttg	gagaggacgg	cacaccact	gccctcccta	168960
acctcgtgga	cgaagctttc	cccttgaacc	gccccactg	ggactacaac	accgcggaag	169020
gtaggggacg	cctccttgct	tatcgccgga	ctctagtggc	aggtctcaga	ggagccgcta	169080
gacggcccac	caatttggct	aaggtaagag	aggtcttgca	ggggcagact	gaaccaccct	169140
cagtcttctc	tgagcgtcta	atggaggcat	ataggagata	cacccttttt	gacccttgt	169200
cagaggggca	gagagccgct	gtagccatgg	ccttcattgg	tcagtccgct	cccagacatta	169260
agaaaaagct	gcaaaggctg	gaggggctcc	aagatcatac	gctccaagat	ttagtaaaag	169320
aagcagaaaa	agtctatcat	aagagggaaa	cagaagaaga	gaggcaggag	agagagaaga	169380
aagaaataga	ggagagggaa	aatagacggg	atcgccgtca	ggagagaaat	ctgagtaaaa	169440
ttttggccgc	agttgtgaat	gatagacagt	caggaaaaag	taaaataggg	ctcctgggca	169500
acagggcagt	gaaaccgcaa	ggtggcaaaa	agataccact	ggaaaaagac	caatggcgct	169560
attgcaaaag	gaaggacac	tgggctagag	attgccctaa	aaagcgggag	cgatccaagg	169620
tcctaaccct	agaagatgat	tagggaagtc	ggggctcaga	ccccctccct	gagcctaggg	169680
taactttgtc	cgtggagggg	actcccgtca	acttctgat	agacaccgga	gcagaacatt	169740
cagtactcac	taaccccccta	ggcaagctag	gctccaaaaa	gaccatggta	attggagcca	169800
ctggtagtaa	atttttacccc	tggacgacca	aacgagctct	tcagatagac	aaaaatatag	169860
tgaccactc	ctttctgggtg	atacctgagt	gccctgctcc	cctcttgggg	cgcgatctgc	169920
taaccaaact	aaaggctcaa	gtccaattta	cttcagaagg	cccacaagta	agctggggaa	169980
aggccccgtg	tgccctgcctt	gtcctcaaca	cagaaaaaga	gtaccggttg	catgaagaac	170040
aacccaaaaa	gcagctctct	tcagggtggc	taactgcgtt	ccccaatgtc	tgggcagaaac	170100
aagcaggaat	gggggtggct	aaacaagtg	ctccggttgt	ggtagaactt	aaagctgatg	170160
ccacccccat	ttcggtaaaa	caatacccca	tgagcaagga	agctagaaaa	ggcatccggc	170220
ctcatatcca	gaggttgctg	ggccaaggag	ttttagtggc	ctgtcagtc	ccctggaata	170280
caccacttct	gccggttcaa	aaaccaggga	ccaatgacta	tcgcccggta	caagacctcc	170340
gggaggttaa	caaaagggtc	ctggacattc	acccacagct	cccgaacccg	tacaatttat	170400
taagctctct	cccacctgag	agaacatggt	atacagtcct	agacttaaaa	gatgccttct	170460
tttgcttgcg	tttgcacccct	aagagtcagc	tcctgtttgc	ttttaaatgg	agggaccag	170520
agggcgggaca	gactggtcaa	ctaacttgga	ctaggctacc	acaggggttc	aaaaattccc	170580
ccaccctgtt	tgacgaggcc	ctccatcggt	atcttgcgct	ttttcgcgct	cgaaaccctc	170640
agcttaccct	gtacagtat	gtagatgatc	tcttggctgc	ggcggcctcg	aaggagctgt	170700
gtcaccagg	aactgagagg	ctcctcacag	aactgagtga	cttgggggat	cgagtttcgg	170760
ctaaaaaggc	acaaatctgt	caaactgagg	taaccttctc	ggggtatacc	ctccgagggg	170820
gcaaaagatg	gctcacagag	gcccggaaaa	agactgttat	gatgatccca	tcgccaacta	170880
ccccacggca	ggtacgtgag	tttctgggga	ctgctggctt	ttgtagactc	tggaattccag	170940
gctttgcaac	cctagcagca	cctctatatc	ctttgactaa	ggaagggggt	cctttcaagt	171000
ggaaagaaga	acaccaaaaga	gcttttgagg	ctatcaagtc	gtctctaagt	actgccccca	171060
cgctagcatt	accagacttg	actaagcctt	tcgtcctata	tgtggacgag	agagcgggtg	171120
tagccagggg	agtattgaca	caagcactgg	gaccttgaaa	aagacctgta	gcctatttgt	171180
caaaaaaatt	agatcctggt	gctagtggat	ggccacacatg	tctgaaagct	attgcagcag	171240
tagccctgct	gatcaaaagt	gctgacaaac	tgacaatggg	acagcaggtg	accgttgtag	171300
cccctcatgc	cttagaaaagt	atcgtgcgac	agccacctga	cagataagat	gacaaatgcc	171360
cgaatgacac	actatcagag	cctgctgcta	aatgagcgtg	taacctttgc	gccccctgcc	171420
atcctcaacc	cagctaccct	tctccctcta	acaaatgatt	ccgtcccagt	acatcaatgt	171480
atggacatcc	tcgctgaaga	aactgggacc	agaagtgacc	tgactgacca	accctggcct	171540
agagctccca	gttgggtacac	ggacggcagc	agtttctctga	tagaggggaa	gcaaaaggct	171600
ggagctgctg	tggtagacgg	gaaaaaggta	atttggggcaa	gcgctttgcc	tgaagggaaca	171660
tcggcacaaa	aggctgaact	tatagcgctt	atacagccc	tcgagagggc	taaaggttaag	171720
atcgtaataa	ctcactga	cagccgatgt	gtctttgcta	ccgcacacat	ccatggggcc	171780
atctacaggc	agcgagggct	attgacctcg	gctggtaaaag	acattaaaaa	caaagaaaaa	171840
attctggccc	tgttagaagc	catacatgca	cctaaaaagg	tagccatcat	ccactgcccc	171900
ggccacccaa	aaaggagaaa	acttggtggc	caagggcaac	cgaatggcag	acttagtggc	171960

aaaacaagtt	gctcaagggg	ccatgatctt	aactgaaaaa	ggtgatccgc	ccaaaagccc	172020
tgaggatggg	aggtataaca	taaaagagct	atggtagacc	agtgatcccc	tcccatactt	172080
tttttgaaag	aaaaatagaa	ttaactcccc	aagaaggaat	aaaatttgta	aaaggactac	172140
accaattcac	ccacctggga	gttgaaaaaa	tgatgagact	aattaaaaat	tcccgatacc	172200
aagtcccca	cctgaagtca	gtggctcaaa	agattataga	ctcctgcaaa	ccatgtgcat	172260
tcactaatgc	aactaaagcc	tacagagAAC	ctggaaagag	acaacgggga	gaccatcctg	172320
gagtgatttg	ggaggtagac	tttactgaag	ttaaactctga	aatgtatggt	aacaagtatc	172380
tgtagtagtatt	tgtagacacc	ttttcaggat	gggttgaggc	atttcccact	aaaacagaga	172440
ctgcccagat	tgtggccaag	aagatccttg	aagaaatcct	gccaaagattt	gaaatcccta	172500
aggtaatcgg	gtccgacaat	ggaccagcct	ttgttgccca	ggtaagtcag	ggcttgcca	172560
ctcagttggg	catcgattgg	aaattacact	gtgcttaccg	ccctcaaagc	tcaggacagg	172620
tagagaagat	aaataggacc	ttaaaagaga	ccttgactaa	attagccatt	gagaccggca	172680
gaaaagactg	ggtggctctc	cttcctcttg	cgctcaaaaca	cccctggtcg	tttcgggctc	172740
actccttttg	aagttctgta	tggaggacct	cccccttaa	tggaagctgg	tggaacatta	172800
gtttccgact	ctgaccctgt	cttaccctcc	tctttgctta	ttcatttaaa	ggccctaaaa	172860
gtgattagga	cccagatttg	ggaccaactg	aaagcagcct	ataccccagg	gaccaccgca	172920
gtacccacg	ggttccgagt	tggagacaaa	gtcttggtca	gacggcatcg	aaccggtagc	172980
cttgagccac	ggtggaaggg	accctatttg	gtgttactga	caaccctac	tgccggtaaaa	173040
gttgacggaa	tcgcctcctg	gatccacgcc	tcccacgtca	agagggccgc	cagtcaagat	173100
gaagaaaacc	acgacgacaa	ttggacagtg	gcagtcactg	acaatcctct	taagcttcgt	173160
ctgcgccgca	ggcgccactc	tagacctagg	gaaccttaac	cctcatgctc	caattcaaca	173220
gtcctgggag	gtgcttaatg	aaaaggaaaa	cattgtatgg	gcaaccactg	cagtccatcc	173280
cctctggatt	tgggtggcctg	atctcacgcc	tgacatctgt	aagttagcgg	caggatcccc	173340
caattgggac	ctctcagatc	atactgatct	tagcaacca	ccccctgagg	agcgggtgtg	173400
cccaaattggg	atagggagca	catatgggtg	ttcggggcag	ttctaccgag	ctaactcttag	173460
agctgcacat	ttttatgttt	gccctggtca	gggtcagagc	aaaaggcttc	aacaaaaatg	173520
cgggggggca	tcagattact	tttgtggtaa	atggacatgt	gaaacgacag	gagatgctta	173580
ctggaagccc	tcctctaaat	gggacctaat	cacggtaaaa	cgaggtagtg	gctatgataa	173640
gtcaaacgaa	ggagaaagaa	acccctataa	atatcaagag	agtgggtgcg	cttttaaaaa	173700
cagagcacc	tcaggaccat	gcaaagataa	atactgtaac	cccctacgta	taagggtcac	173760
cgagaacgga	aaacaacacc	gtctaagttg	gcttaaaggga	aatagggtggg	gttggcgagt	173820
atacattcca	ctaagagatc	ctgggttcat	tttcacgata	agattgacag	tgagagaccc	173880
ggcagtgaca	ctcgtagggc	ccaacaaggt	ccttataaaa	cagggggccc	ccagtcgtac	173940
tggctcccc	aaagggtccc	actgtaccag	ctccaccaac	tccacagccc	aacacagtgg	174000
taccctccct	aggaactaat	actctcctca	taaagcctac	cttggtctcc	ccaccgcccc	174060
taggaacaga	ggaccgtctg	gtcagtcctag	tccaaggagc	tttttttagtt	ctaaatagaa	174120
ctaaccctaa	tatgactcaa	tcatgctggt	tatgctatgc	ctctagcccc	ccttattata	174180
aaggaatagc	tcagatcagg	acttataata	ctacttcaga	tcattctcaa	tgcttttggg	174240
gaaaaaacag	aaagttgact	ctagcagcag	tttcaggaag	agggctttgt	ctgggcccgg	174300
tacctcagga	taaagggcac	ctctgtaatc	agaccagaa	catccagctc	agcaaaagcg	174360
gtcagtatct	ggtgcctccc	ctagacacag	tggtggcttg	caataccggt	ctcactcctt	174420
gtgtgtctat	gtctgttttt	aatagttcca	aagattttctg	catttttggtt	cagcttatct	174480
ccagactcct	gtatcatgat	aatagttcct	tttttagataa	atttgaacat	cgggtccgct	174540
gaaaaagaga	accggttacc	ttaacttttg	cagttctatt	aggattggga	gtagcagctg	174600
gagtaggtac	aggaaccgct	gccttaatta	agaccccccc	aatactatga	agaactacgt	174660
gcagttatgg	atattgatct	tagaactata	gaacagtcta	taaccaaat	agaagaatct	174720
ttaacttccc	tgtccgaagt	ggtgctgcaa	aatagaaggg	aattagactt	attattcctt	174780
aaaaaaaagag	gactctgtgc	tgcttaaaaa	gaagaatggt	gttttttatgt	tgaccattca	174840
ggagtaatca	aagattctat	ggctaaaactt	agagaacgcc	tagatatacg	taaaagagaa	174900
agaaaaagcc	aacaaagatg	gtttgaaagc	tggtttaata	agtccccctg	gctcaccact	174960
ctcctctcca	ctatagcagg	acctttaatt	acacttatgc	ttttgcttac	ttttgggccc	175020
tgcatacctta	ataagttagt	agctttttatt	agaaaaagga	taaacgcagt	ccagggttatg	175080
gtactaaggc	aacaatatcg	ggtccttcag	gaggttgaaa	actcgctcta	agattagagc	175140
tatctcctaa	aagaagtggg	gaatgaagaa	taaaaatttt	tactgaactc	ttcttcaccc	175200
cagaacccga	ccccctccat	ctagagattg	ttcccggaac	actcctgaac	tcttcacccc	175260
agaatgcatt	cctgaactcc	tcaccctaga	gttcgaaccc	tcccaactaa	aaactgttcc	175320
tagaacattt	ttgagataag	ggcctcctaa	aacaaccgca	aatgaaccg	ggtacattgc	175380
caaataatag	gacatgaccc	cttagttacg	tagattccct	tggcagaacc	ccttgtcccc	175440
tgacagaacc	ccctagtgat	gtaaaacttg	actttccctg	cccagctctc	cccccttgag	175500
ttttactata	taagcctgta	aaaaattttg	ctggctcgctg	attctcctct	acaccactag	175560
gtgcatgagt	ttcgacccca	gagctctggg	ctatgttcca	tgtgctttct	tgctgttggt	175620
ctattaaatc	ttgccttcta	cattttgagt	acggtctcag	tgtcttcttg	ggtccgcggc	175680

tgtccccggg	cttgagtgt	tgagtgaggg	tctcccttcg	ggggtctttc	aaaactactt	175740
cagaggaaaa	atgtattctg	cctcatgggt	tcaggggggt	tccttcagca	aattcaggga	175800
agacaagatg	gaacagctca	acctgctggc	aggagggtgt	gggaaaggac	aagtgttcat	175860
tgtgtgggtg	acaggaaaca	gagagctggc	tacagtctta	caggcctacc	accactgacc	175920
tacctctgtc	cgtcaggccc	tacatcttaa	aggatctaca	gtttattaaa	agaacactac	175980
cagataggaa	ccaagtatca	aaccaccagt	ttgtagggga	taaaaataca	aggaacacat	176040
ctcaatagga	gtgtgttcca	ggatgtggac	aaggagaaca	cagttgttta	aaagcttaac	176100
gctggccagg	agagctgcac	acctttaatt	ccatcactcg	taagaggga	gcagggttcat	176160
ctctgtgagt	tcaaggcaag	cctgggctat	acaattctag	attagccaga	gctacatcgt	176220
aggagcctgt	ttcaaaaaca	acaaaaccaa	accataaaaa	agcattttctg	aggctttggg	176280
tttaatcccc	atgacctcaa	atagccaaac	agctctcctc	agtccaaacc	aaactgcaaa	176340
attggagcta	gtgagatggc	tcaacatatg	aaagtccttc	ccaaaaatat	tgacaactgt	176400
agcttatctc	tggggacaca	cataatggga	gaggaccaat	ttctacaagt	taccctctga	176460
cctccacaca	tatgcctccc	acaaataaga	aaatatatat	aataaaaaaga	aagaagtcta	176520
cagctgcaca	tggtcatgca	tgctataat	ccagcactcc	agaggctgag	gcaggaggat	176580
tattagtttg	agatcgcata	gcaagcagta	ggctagacag	ggctacatag	tgtaaacctg	176640
ccttaaaaca	caaaaatcaa	ttaagcaaca	ataacagtaa	caaccacaac	aaaaacccaa	176700
aagagtactt	tgtagtaagg	acaataccaa	aatgtttcct	ttaaggacag	ttctggaatc	176760
agcaatagcc	ttccgagtgc	tcagggatgt	ataaataactt	agaaaacttc	ccctggagaa	176820
atgagcacca	gggtacactg	ctctcagagc	tgcccagaaa	gttgtttatc	ctggattcat	176880
ttcagccttc	ctaactgctc	aggcattcag	aggtcacttc	tgtagtagcc	aatgtctaaa	176940
aaggctaaac	tactgctcag	catggctgtg	gtacttggca	ttatcatttt	gtgactgggt	177000
ttgtagttat	gcagaattca	agagttatag	catcatgaaa	gtttccacca	agttcctgat	177060
ccagtcacct	cttaaagggt	ggatgcacca	agtgcctttg	gggtgataaa	ttatatcaaa	177120
ataatggtat	tccaccctaa	tccccaaaga	cttctggcca	tctcataatg	taaaatgctg	177180
agccatcgca	ccagcccatg	gccttgaact	cttgatggtc	ctgtctcagc	ctgtgtttgg	177240
attataaatc	tgttgggtgag	gtattccttt	gctgataata	caagcaaatt	cttcaagctt	177300
ccatcctaga	ctgaagacca	gcagctctcc	aggagtccct	aatgcagact	ggcccagctg	177360
ggacattgag	cctcatggac	tcagccgcta	ctagattcgc	aacctattca	gacaagccac	177420
tgttggaact	cccagacaat	actatgtaag	ccaattccat	tttaatacac	atattcatct	177480
gggtgtgtgg	cacacacctc	tactcccagc	acgcaaggag	cagaggcagg	cagatctctg	177540
atctcgaggc	ctgggtctata	gagtgaattc	caggccagcc	agggtacac	agagaaaacc	177600
tgtttcaaca	aaacccaaac	cgtaaatcca	ttctatcagc	tctatttcct	tagagaattc	177660
taatacatgt	gggtaccagg	ggttgaactc	aaagtcttca	tgtttacgta	gcaagtttcc	177720
ttctgctagc	ctagtgaagc	tgaggcaggt	acagccgggt	ctttactgct	ccttgcaaat	177780
ggtcctcctg	agctttcctt	tgagagccta	caaagaactc	tttttttctt	taggtctcca	177840
ggttttggtc	ttaagagggt	ctggacttgg	atctgtagct	gtcatatcac	agacattcaa	177900
catctggcaa	atgtcttgac	aaaggagatc	acttgtgttt	gctgcagtgt	cccttctggc	177960
tgtgagattt	tgctcctcac	cactgcagga	ctgcagatct	attctgcctt	tttagttgac	178020
ttttcattcc	tgagaactgg	ggaaaactga	ctttgtattt	gggctttgaa	tttgtccatt	178080
tgtcaatcca	ctaacccaga	cctaaccaac	tgccaagagt	tctgctgact	tttgttttct	178140
ctagggtggt	cactttgctg	ggctcatcct	catccttggc	ctgcagttta	tccccaggaa	178200
agaaaatggc	taacgactgc	taagaagcag	tctttccttc	cagaaatttt	agtctatcta	178260
gaccttgctg	cagtctgaag	tctttaaaat	gtgtttgtta	tggtagaata	ttttgagttg	178320
ccttaggagt	attgcttgct	gtcacctatc	atattctatc	aggaagcaga	cgtcccattt	178380
accaaattgtg	aagaaatatg	gcacaaatc	ccactgcaaa	aagtgtaaat	aaataataaa	178440
aaaatagatt	tattacagag	tgcaaggga	aagaaaaaaa	tcagccagtt	tcagaattgt	178500
aactggacaa	atgttggtac	agttcatgaa	gaggttctac	aaaatggctg	ggggtgggaa	178560
cataatgagt	tagtttgctt	ttttttttct	ctttccttcc	ctttccttcc	cttacaagggt	178620
ctcatgtagt	ctatggcttc	aaactcacca	ctgtaaatca	ccttgaactt	ctgatccttc	178680
tgacgctgg	caatgtaagc	atgtgccacc	aggcctggct	cacacatttg	gtttttcaat	178740
acagaatagc	tctgtgatga	ttaacttcaa	tcacaaactt	gacataacca	agaatcgtct	178800
gaggaagagt	ctcagtgact	gggtgggcta	agggcatgct	cataagggat	tatcctgatt	178860
gttaattgac	atggaaagat	caagtccatt	gtgagcagca	acacgccctg	aacagaagtc	178920
ttctgaagta	taagaggaga	aagcttgatg	agagcaagca	ggcaagcaag	ccaggatcca	178980
cgtgtttatt	ctctgtctgt	tcttgaccgt	agatgtgatg	gctgtcttgg	cttctctggga	179040
aacatgaact	gcaccctgga	attgcaaggc	aaacaaacct	tttctcttcc	caagtgtcct	179100
tatgctaaga	tattttatcg	cagcaataga	aatgaaactt	agaacaggcc	cataactgcc	179160
agctttggga	ctgaacctaa	ggctgttata	attcactagg	atagggaacca	ctggaagtga	179220
atctgatttt	gatggtaaaa	tcatgtgttt	gtttctggat	atgatagatt	tatcaatttg	179280
agactcagaa	aagaagttag	gacttgaatt	ccgtttttaga	gacattccag	agaaaactga	179340
tgtcattgtt	ctgaatgtaa	gtgcctcagc	tgaaaataca	aagagtacag	ggaagaaagc	179400

ccaggctaga	atctgaagga	actcctctat	tttttgtttg	cttgtttgtt	tggttggttt	179460
tttgagacag	ggtttctctg	tgtagccctg	actgtcctgg	aactcacttt	gtagaccagg	179520
ctggcctcga	actaagaaat	ctgcctgcct	ctgcttccca	agtgtctggga	ttaaaggcgt	179580
gtgccaccac	accaggctag	gaacctgctt	attacacatt	aacacccttc	tttaattaac	179640
tgttcctgcc	aatgtaccaa	atagtcaatt	gattcctgtt	tatttaccac	atgtttctgt	179700
tagtaaacca	gaataactta	tctagccaaa	gtctgcctat	tagccatatt	ttcatcagtt	179760
cccaaccatt	tttggaattc	tgtgagggga	atccacagat	gctgtagacc	gcttttagaca	179820
tttttcagct	tttttcaagt	tgcaggtcac	gattcagtg	gtcatgaaat	taatttagtg	179880
ggttctgatt	agcatttcaa	aatgaggcaa	gcagagggca	tattgtcaca	gcacagcaca	179940
tgcggttaagc	agccacacac	tcttgcttgg	aggcttagtc	agtttctggc	tctaaacgcc	180000
ccaggtttgt	ttctctatcc	taggcctctc	tcttaaattc	caaacatagt	tagacattac	180060
cattggggga	cgtgcaactc	aaacacggag	tgtgactcct	ttccccatct	gcggttccca	180120
gatttggcaa	tgtcaccttc	ctcccttctc	cctagggtca	gttttacctc	tcacactcca	180180
caacacaaca	cctctcatct	caagaattgc	cattagggtc	ggtgagatgg	ctcagagggt	180240
aagagcaccg	actgctcttc	tgaagggtct	gagttcaa	cccagcaacc	acatggtggc	180300
tcacaaccat	ctgtaatggg	atctgattac	ctcttctgg	gtgtctgaag	acagctacag	180360
tgtactcaca	tatatataat	aaataaatct	aaaaaaaaaa	aaaaaaagaa	ttgccattaa	180420
atgtacctca	gagtccaaat	gcttcttctc	ccctgacta	cactcacgct	ggcctgagtc	180480
cattttctta	ttgaggttac	tgttctctct	cttctaccct	ggctccttct	gctgcctatc	180540
cttgacacag	cagacaagca	gttcttttaa	gcagggtcga	ggaccagtga	gactgactcg	180600
ctctgggtggc	acttctctgc	atgactgatg	atctaagggt	aagcctagaa	cccagcaggt	180660
agaagcaaa	gacctactct	ccaaagccgt	cctctgacca	ccatgtgtaa	actgcacatg	180720
tacatgcatg	cacatggtac	acacacatac	acagaagtaa	aaagagattt	aaattgaaaa	180780
tcattaaaaa	gaaaaatcag	ggctcagcaa	actttccgtg	tagaaaacta	gagtacttag	180840
gctttgaaag	ccaagaagtg	gatattaatt	atagttatct	attatagcag	agatttctaa	180900
aaccttttga	caaaactaaa	aatataaaca	gagtgtattt	tttttghtaa	gtaagtttac	180960
taatggcagc	agtgggatta	gtttcttttt	tagattattg	ttattatttt	tattaattat	181020
tagtgttttt	gtgtttatct	atattccaca	gcattgtgtg	ggaattggat	ttctgcttcc	181080
acctttgtgt	gggtcctaga	gattgaactc	aagtcaccaa	gcttgccacag	taggttggtca	181140
ggcttacaca	gtaggtggtc	aggcttgtat	ctttggaagg	caagcatttt	acttctctgt	181200
ccagctcact	ggccttcttt	gtttaaaaaa	agaaaaaa	agtccttttt	tgtttaatta	181260
gggttcatgg	ccagtgtctt	ttatctttaa	atcaactgca	aactttttatc	tggtaaaaag	181320
ccatccttag	ctgtggctct	aggagaaaaa	catacagttg	gatggcttta	tcctgcaggc	181380
ttagtttgat	catctctctt	tgaagatata	atcagctcac	atcacactca	agcctctgcc	181440
aacgagtttt	ctacttctgt	tcaacaaact	acccaagctg	agcagctcca	aacaacagcc	181500
agttatgatc	ctcacagtcc	gggtgggtcag	aagcctaagc	gggcgtggct	acctcgctgc	181560
tattgcctga	ccctgctcgg	tgcattccaca	ttcacatcct	ttcctgggtga	gtgtggttct	181620
ttgactgggt	ttgttccaat	tttttagtata	tgtgctgctg	aaacaatctt	tttgctctctg	181680
cctccagact	gcagggtatta	atgttcttga	ctgccacaga	gcactaatat	ttactgaaca	181740
tgtgatcata	tggtgtctcag	cactcttgca	cccaaggctc	ggggaacatg	gaggaagagg	181800
gggtggaaag	attccaagaa	ccagaggaag	aagaaagtca	gaggtgagac	tgcattctct	181860
agaaatgtca	gggacatttc	tagacctctg	aagtctcaag	aacaaggcct	gaaagtctta	181920
tttatatagg	ttaacctgaa	aggggaaaaa	attcttacag	gggtccaacg	ttagacaaag	181980
aactctaagc	aactaaggaa	tgttgggggg	ggggtagtct	tcccagggga	acactcctct	182040
acccttcaag	ccccacccaa	gctgggttatc	caaaacaaac	tggtcagtc	tgaagccata	182100
tacgcacaag	taacatcata	tggatgggca	gattgcattt	aggaatacac	acatacacac	182160
acacaactta	aaaagagagg	ccatgaattt	aagagagagc	aaagcaaagt	gggaaggggt	182220
acatgggaag	gttggaggca	gnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	182280
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	182340
nagagagaga	gcctattatg	tcgttggttg	cttctaatac	ttagaaaacc	actctcttag	182400
gctgagtcag	aactagccta	gctgagacac	tgtccacca	ctgtcccaga	gcaaggccat	182460
cgctgtccca	gatttgctct	tgggggcccc	tgaatgaaa	gtcaccagca	ggctccggaa	182520
gctgcctcat	gctaatacgt	tgaggttggt	aaaatagccc	tgcagtgggt	cctgggcctg	182580
cagctggggc	agagccacta	aggggagctc	ggctctttgg	agcagagtta	acagtcattca	182640
gtgctttttt	ttttttttta	aatgttccct	gcttttaggt	cagtgtctgt	cgctacttct	182700
aatccttgca	ataggctgca	agacaggcaa	gaatatcatc	cctgttttgc	cctcaggcaa	182760
attctgaagt	ctggcaaatg	aaagatgtgg	tatttgaaca	cagacttggt	tggccaaaaga	182820
attctcactc	tacttctgcc	tgtgccacct	tcctctcatg	cacggggagg	ggaggggagc	182880
ccacctccca	tgtcagggg	ctaggaagtg	gggagaagat	ggatgtcctc	aaagcagggt	182940
gagaatgaag	tagaagccag	cttcaaattc	aaactaagca	atgtttttatt	tccatttccc	183000
tgaacataaa	gttcagttac	atttggttta	aaaaaaaaaa	tccttacaca	actggttctt	183060
gagaaatgtc	aagtgtctaca	attcagtgga	tgtggatgaa	acaatcaaaa	tgttgaacac	183120

ccccaaacag	atacaaacct	tcatcaaagt	ctcttccaaa	ggctgggtct	gaaaagagcg	183180
actcatgttc	cagcccagtt	ggctccttct	catgtgagct	ccgacttcca	aagactgctt	183240
gcaccaggag	gaaatataat	agatgtcctt	tttaaggggg	gtgggggtctg	tctgacaacc	183300
tcccacagt	actgtggata	cagcccagtt	agtagagttc	tgccttagca	agcgtgcggc	183360
cctgggcttg	agatctagca	ccctaaggca	tagtggtaga	tgcccatgac	cacagcactt	183420
gggacgtaga	ggcagaagga	tcagttcaag	gtcagatgag	gggtggggag	gcattccttt	183480
aatgccagca	tttgagaggc	agaaacagat	gaatttgtga	gttcaaggcc	agcctgggtct	183540
acagactgag	ttccaagaca	gccaaggcta	cacagagaaa	ccctgtcttg	tcaggaaaaa	183600
agatagtggg	agagaattca	aggttatctt	ggactgcata	agactttgat	tccaaaaataa	183660
acaaaaatgg	agcatgaatg	cttgcaactg	tggacaatat	tgggttcata	catattctgt	183720
tttgtcacct	acataccaat	tatacaaatc	agattcagct	gggcccactg	gtgcatgttt	183780
gttcccagca	tctgggaggt	agagatgggc	agagctctat	gactttaagg	ctagcctggg	183840
ctacaaagta	agttctagga	cagccaaccc	tacagagaga	tacactactt	ctaaatcaat	183900
caatcaatcc	atcagtcaat	catgggctgg	agagatagct	cagtgatcaa	tagtgccatt	183960
cttccagagg	acctgggttt	gattcccagc	accacatgg	cagctcacag	atgtctgtaa	184020
ctccaatccc	aaggggacatg	acaacttcta	ctggctctct	tgggtcaacag	gcatgcacgc	184080
agcatacaat	atatatatgg	gtaaaatgct	atatatataa	aaatcagatt	cacaaatcaa	184140
gtacagaaaag	agatcaacta	taatgaaaca	accataacac	atactgtttt	aaaagctacc	184200
tttctgtct	gacatctgac	ttcttgctg	accagtgcc	tccacaatga	gacaagcaga	184260
tgggtgtagtc	cctgtgaccc	aggattaggg	aaccactgcc	cctgggaagc	cattcctagt	184320
aacaggatca	aatcccacag	tgtctccactg	taccccgcca	gaggacgtga	agcctccctt	184380
ccccggctgt	ctgtgcagca	ccgcccagat	gcttgggtgc	actgagtgac	catcggagcc	184440
caactgagga	gtgcctcagt	gctcctcagg	gcagtgtgca	attgaaactt	gcatgtgatt	184500
tctggaattt	gtcatttgat	atctccagac	tccagctgac	cttggataac	agcacagagg	184560
gcagaactgc	agaggaaaag	gggcactact	gtgactgtta	tcccctgcat	gattatagaa	184620
gggtctgtgc	tttctcttac	aaatcattgc	ggcctctctt	cacttccctc	ctttgaagtc	184680
gaaaaaaata	gatgcatoct	cacagtacag	gatggcaggt	acgaggcggg	ttccgggact	184740
gaggcaggac	tcatcatgca	gcctctttcc	ctcaactaca	ccgcgcggcc	tgcagagttc	184800
cctctgatca	aatcagtttc	aggcctggaa	agaaacggcc	actcaggctg	gggatgtggt	184860
tccattagag	gcctgcatgc	acgaagctct	ggatttgatc	ttcagcacgg	gcataagccc	184920
agtatggtag	tatctgttta	gcatggtgtg	gaggtatacc	tatctctgca	caggagagcc	184980
agaagttcag	agttatcctt	gcacttacag	taagttcaaa	gctagcttgg	gcaacatgaa	185040
gttttgcctt	aacaaaacga	aacaagaggg	gccggggaga	tgcttcgctg	tgctgagtca	185100
tttgctgcca	agtttgatga	cctgagtttg	gtcccttgag	cttatggtgg	aaggagagaa	185160
atgacgcttg	aactccacgc	acatgccaca	gccacgcat	gaatgtgtat	acacacacac	185220
actaagtgga	taaagtgtta	aaataaataa	atcaaaggaa	tggccactca	aaatctacca	185280
tcgttgggaa	gggaggggaa	aaggcaggcg	agggagatag	ataaccctga	tatgaacacg	185340
gaaagagcca	gtgtgccacc	aaagctgccc	agtgtgccac	caaagctgcc	cagtgtgcca	185400
ccaaagctgc	ccagtgtgcc	accaaagctg	cccagacttg	attacagatt	tggccaggga	185460
cacaggaggc	cagcaggagc	agccaggttc	cacctcagag	gtggagccac	aaacctggaa	185520
atgaaacgtc	tttcccttcc	ttcagaccac	agcagtgaca	gctgtcctgc	agagtctgga	185580
gggctggcag	ggctcatcca	ctctagtgtg	cctgtggcca	gaacaggcct	cagtcacagg	185640
tgcttttcca	aggtcttagt	gtctaattaa	ggtagcagc	caaattggag	agagaagggg	185700
gctggacttt	actctgctgt	aaggactttg	ggcattgttc	cattccgtga	tcaaatacca	185760
ctggctctgc	caaccaccat	gtcagtgggt	cttcagaggt	agaagaactc	atcctttttt	185820
gagaggtttg	gtctggtoct	tgtctaattgc	aaaatgcctg	gggcaccagg	ttaatgtcaa	185880
ctcaaaggca	agtgtgtgtc	cagcatgtgt	ggaatcctaa	gttcaatacc	catcagagcc	185940
ccaagcccta	gaggacagac	atgctttaa	aaaaagtcac	gctttaaata	aattctgttg	186000
agggggctgg	agaaatagct	cagcagttaa	gagcactagc	tgctctttca	gaggaccag	186060
attccgttcc	taacattttc	atggtggctc	aaagctgtct	ataattcaag	tcttagaggg	186120
gaatctgatt	ccctctctgg	tttctcagg	caccaagaac	acatgtgggtg	caaacataca	186180
cgcaggcaaa	acactcatac	atatgaaaca	ttttttataa	acctgtctcg	atgtgggtggc	186240
tcatgccagc	gatgctctca	gcactcagat	ggcagaggca	gggggatttt	gtgttgagcc	186300
cagcctgagc	tatagaatga	gatgctgtct	caaaaagaaa	aaaaaaacaa	aaaaaaacaa	186360
aaaacaaaaa	caaactctgtg	ggcttaatca	ttcctagcca	gaaggagctg	gctccagcaa	186420
caatggatcc	ctagagctct	gctttgcccc	ctggctctgga	gagcttgctc	tagaaaaggaa	186480
ttctccatag	accacatttc	tattttgggg	accactctgg	gcctgcacat	ggaaaaatgg	186540
agagttgagg	tttacatggg	catttttttt	gttgcttacag	taatgagagc	tttgaaatga	186600
tcacaaaagg	aaaataggaa	aatatgcctc	ctaaaaagag	ccgaggcaaa	ttattatagc	186660
aaccgaatcc	taaaagggaat	gttcaagtaa	aaaaaaaaaa	atatggctca	tgcaaggttg	186720
ttatggcaac	tgacatttaa	aagtaacagg	atttgggcaa	gtttctttct	ccaccctctc	186780
tgcaaaagtct	tgcagggaact	tcatgctaaa	attatgcttt	aattttaatt	agccaaatag	186840

gtcataaata	tagctttat	ccaaatcctt	agaattttcta	ccctgcaagg	agctgaacta	186900
ctaatagagga	aatattttcca	caaaaaccca	cttaccatta	agaaccccca	tccgatattt	186960
ttctaataata	atztatcaat	ttaaacacat	tgcataatgt	gccactctgt	agcattccat	187020
taaaatgata	aatagcaata	gtggtgaggg	gtgggggggca	aaaaccagga	gattaaacat	187080
atccaaagca	gtgtagctat	atttaaatac	ctcaatccat	tgtagaggaa	aacacactgt	187140
tctcatccgc	agatacagtc	tagactcaga	gcagcatatc	cttgactgta	agggtattaa	187200
taggacagac	gaagggggggc	aataagaaat	gacaggaaac	ttcagaagaa	ataaaatttc	187260
tattaggctt	tgttataaga	ttacatcaaa	gcagttcata	tgtttttaac	tggggaggaa	187320
aaaaagcaac	tacttggggg	ttgcgcctgg	gggctgcctc	tgtgtactga	accagacagt	187380
ttgcataatg	aacaatttttc	attcaatcag	gatctcagca	gagatagctc	ctactcaaag	187440
gaacccggca	caggctcata	gttttttatct	cccagctcca	cctgctggag	aaaccttgta	187500
ttgcagggag	agaaagcagt	cgggaggcat	tgctctagt	gctgtgtacc	taaaagtaca	187560
gacctgactt	taaacagt	ctctctggag	gttgaaagg	gctctgtaag	ataccagagt	187620
ggattgctct	caaagactct	cggactcctg	ttacaggcaa	gtaaggctct	agcagatggt	187680
agcatggatc	tccggccctt	ctcactgctt	tcttgaatca	gggatttaga	aattgctatt	187740
tgcataccag	gaggactgaa	gtttggctcc	cggtgaccag	aggacaagg	cattgtttaa	187800
aaccacccaa	actcattttcc	gacttggttg	gtcaaatttt	caagtttccc	agcagtctaa	187860
ggattcataa	aataaggcag	aggcagagaa	acggagggtg	tgtgtgtgtg	tgtgtgtgtg	187920
tacccaaaat	ggaactgcat	tttcatgcac	aatagaaaac	ttaaagactg	aaccaatcat	187980
tttgaaaaac	tggcacagct	gacattggct	agaggaagga	acggccagg	cgagccagct	188040
gcaccaagac	ccagggtgga	ggcctaatacc	gcctttatcc	gagggtttag	tgaggctccc	188100
cccgtccacc	aatcccggct	ggagccgcag	aagagctctc	ttcacttggc	tcagtcaccag	188160
cacagtgcga	ctatgctctc	ccgtggggag	gccgtcccg	gagggggagc	gacatcaagc	188220
tttgtgaaac	tgttttcgaa	aacctgggat	gatcatttaa	atgtttaaaa	tatgcacatg	188280
gtaattcaaa	actaattacc	ctgagcacat	ttgaaacatt	tatgccatca	tcttggatcc	188340
tgcctactga	ttgtgcgctg	cagctcactc	tggtgtttct	ataaactgct	tcagcgattt	188400
taacttccag	gctaaatcag	gcagccacag	gcgctgcctc	cagccctggg	ttggtggaga	188460
gaccccatc	cctgacttcc	aggcgaggag	gcggcccgtt	tctccagaga	gccgtttgtc	188520
agggtcttgt	agttctggct	gccgaattat	tgctcttatc	cgtgttcata	attctcatct	188580
gcattattta	atztatggcta	gaatgacctc	tttccctccc	gagtcttctc	ccctcattcc	188640
catttctctt	tcttcaattc	gtggccccc	ttttctgatt	ggtccaaata	tatagacaaa	188700
tatccttgat	cgtcccaccc	cacttggcta	cactctcatc	tgggagccaa	tgtggtgagt	188760
tttctgggtt	tgcaagggtg	tcagggtccac	cagtcatcct	aagggtgtgtg	agagaggtag	188820
accaacatga	gcggcgcaca	gccgccatca	ctgagagagc	acgtgccctg	cagctcaggc	188880
acaggcatgc	acacaccggc	agacatgtgc	acatgcgctt	tccccagcaa	accctgcttg	188940
cagagtaatt	aggcctaggc	agttcctgaa	gcaaattcat	ttcccccttt	tccagaataa	189000
aatgagttct	cttccttttg	gggtgctaaa	ccagcatgcc	agtggctaga	agcctgagat	189060
gggtgatgtg	gctgaaacca	tttctgcagc	caagcctgtg	ggcagaagct	aaccttgggc	189120
tggggagctg	cagtcggaag	aggcacaatt	ctgggatcaa	gaaatgagca	ctgggttata	189180
ggtacactcc	cagaaataga	cagatgaggg	ctgcctcctt	attagcgctt	tgaagatgcc	189240
catggcgggt	ttttagacat	ttaggaatat	aaaagtaggt	tggattccca	cagtcagctg	189300
aagtttgaca	gagtgatatt	accgggttta	actagagcca	ttaagagact	cttcattatc	189360
ccacaccacc	gccacccaag	ttatcacatg	agccataatg	caagagaatt	ttcattccat	189420
caacaagaga	gggagccggg	ctatctttgt	ccaaaggaaa	tgagcagccc	agcgtgaagc	189480
ttgtgaggaa	ttgagtgtac	aacactccaa	taacatcccc	tgcaggattg	cctctgcgat	189540
ttagtccgtg	aagcaggggt	aactgcgctc	gagcagctcg	cctgtgtacc	tggcttgcaa	189600
gaacaccagc	tcgaggaaca	ccaaaaaggc	cgattaatga	caaaggacac	tcatagaggc	189660
ccgaattcca	cagggtctaa	gtattaagcc	ccaaagaaat	caaggctctag	gccattctcc	189720
tggcgctcag	caatctcatt	tattatttct	ctacaaagat	ccaacactca	atttcccagg	189780
tatccctgtg	atctgactca	cattctcctg	ctcagtaagc	catcctgggt	tgaaacgggc	189840
ctccccctct	cctgcctatg	catgctttgc	gtcttcacaa	cgacagctgg	taatttgcaa	189900
gacccccctc	actggactct	ctcacccac	atacttgga	ctactccttg	gaactacttg	189960
tttatcaagt	gttctgtttg	tgagccttct	cttgcattaa	agctgtgaga	aggaaccaca	190020
gtttctat	cctttacatt	tcttgtagcg	tctcacatgg	gagacaccca	ggttagatat	190080
actgagggtc	ctggtagttt	tagagttgga	gttagatgac	ccagcaacat	gccttcccc	190140
accacgcacc	aagcaaaaat	tgcacccacc	cttccctcag	atgttctctg	catcttataa	190200
ctcgcccaaa	gccagattta	ttgctcctgc	tgtaaagtgt	atcttctcta	agcctcactt	190260
aaaagctacc	acttggcaga	agatcaagtc	agaagtgcag	gctagcaggt	gacggtgagg	190320
acagggcggt	atggggcggt	taggggtggag	cgaataattg	aagctccaag	agttaccagc	190380
tcaatat	acctaactgg	taatttgctg	tgacaattac	gccatgaagg	gaacgctgcg	190440
actatgcaag	aatgttgctc	tctaattaag	agggtctctg	atcttcttagt	cacccgcact	190500
ttaataacac	acagaatgag	ccttggctcc	gggagctaaa	ggttccatta	ggagcacggg	190560



cagcatatgg	ctgtgcacat	aggccgtgag	tgatgcagcc	cagttaagcc	cgctaacacc	190620
ttcaattcgt	cctcagatag	agcccagaga	gcgcggctca	ggccctcacg	ccacgagccc	190680
catttgactg	acaggcatct	tcccggaaag	cctgcgcgtg	cctacactgc	aaatggacct	190740
gcttcccaca	gcccggcttt	caaccaggaa	ggcttgccgt	gggtctgata	cttcaagagt	190800
aactttaata	aggattttct	cacagaaaga	aaagtccatg	ggaacaaatc	ctcctcttaa	190860
gagcgtgaga	caggaatggg	gacacaagcc	aacaccccaa	ttgctaggct	aactctgata	190920
tgagacaaaa	gaatattaat	atcttggtca	tgaaggagga	tggtgccatc	ttctgaattg	190980
atggggagttt	tgaggcatgg	ctaagctggg	caaaccattt	tctttttttt	ctcttcttaa	191040
ttagtggttc	atztatggag	ggcttgctgc	ccggagagcc	catcagaaga	gagctcgctt	191100
tatggagatg	tagcttataa	aactactcag	attttaaaca	aacagtgcag	gaggccagag	191160
gtagaagtgg	tgggggtggg	gtggggcaag	agaacaattg	catctgcaga	aggctagccc	191220
tgacccccaa	gcctatgttt	agggttgatc	agcttcccga	ggcaagccca	gaagcctcta	191280
aaatttttagg	ccaatagaaa	tgacctctgc	accacggctg	actgaagcta	taaataagcc	191340
tcgagttgag	cagtgggtgc	aacggagaga	gcagaggaaa	gtccaatcag	agcttcattt	191400
tttttttttta	aagtccactt	gcttgggact	cacctgaagg	cagggcattg	agtagagcct	191460
tggtccctcg	cagcgagagg	ctccagtttt	cccaggcacc	agcccatcgg	ttggttacct	191520
aaccaccgaa	agggaaactgc	acagcacaca	agttaaatat	aggctggggt	atctgcattt	191580
tacaagctct	gagcaagcta	tctgaagaag	ctgtcatttt	taatgacggc	acaaacttcc	191640
aattaccgac	tgggtaatcc	actagggagc	aggtagtttt	ggaagaacag	ttcaccatta	191700
ttaaaagttt	acacaatcac	ttttgagttg	actataagta	tttcacacga	ggcaggtggg	191760
attagggact	ttttgggtgg	tttactcgag	gctgcaacca	acaatgagtg	ttttctcaag	191820
aattatacat	tgagatttgt	caactgctgg	ggagtgtggg	agggtcctgg	taatgcagaa	191880
aggttatgaa	atggccagggt	aaggttgggt	gcttccaagt	ctcaaataata	ctcctaaggc	191940
cagctccaag	tcataagctc	aaacaagtct	tcaagggggc	tggagagtta	agacaaataa	192000
ggatcactta	ggctacccac	ggacaagcac	ttctcataca	aggaccggct	acctccaaca	192060
ccatcttccc	aacatggctt	ctatgttgct	tcaacaacca	gggcaggggtg	aattaggggt	192120
gggtctctcc	aatgtggact	caaatacatga	ctacagcntg	gggttttttt	tttttttttt	192180
tttttttttt	tnnttggttt	ttcgagacag	ggtttctcca	tatagccctg	gctgtcctgg	192240
aactcacttt	gtagaccagg	ctggcctcgg	actcagaaac	ccgcctgcct	ctgcctctgc	192300
ctcctgagtg	ctggaattaa	aggtgtatgc	taccacgccc	ggccgagtc	gtcttgataa	192360
tgaagttccc	agtgacctgg	atgtcaactg	aagttggatt	ttactgtgat	gactactgag	192420
tccggctcag	aattttgggg	ggacaaggta	ccttgattta	actgggcact	acacgactgt	192480
aacccccaca	ttgggagagg	cagaggcaga	ggcagaggca	gaaagtgggt	tggaggctag	192540
gcaaggctac	acagcaagaa	gctgtctcaa	aaccaaagac	atctttcttg	atccaaatcc	192600
tgctggaggg	tgtgaggcct	tggggggccag	aacaaggtgg	tcaaggaaga	ccactgactc	192660
tgctctttgc	tccattactt	aatcagaatc	gccatcacag	atatagctag	gagattttta	192720
gccttggtgg	ctgcaatctg	catttaagag	ctaagtggga	taaactcagg	ggtgggcccc	192780
atgcctccct	ccccaccctc	cctgcacccc	tccattttacc	tgtttccagg	gatctgctta	192840
atttacctgc	cagccttttg	tgggacacag	gcttagtggc	ttagcgctgc	tgggggcacc	192900
agagaccctc	acagaagcac	ctgaatgtac	tttcagcgct	gcagagcacg	cacggctcag	192960
gcccattcaga	agaacccagg	cttatgtctaa	ggagccagaa	agtagaagca	gctggcaaga	193020
gtgattcagc	cccataaatt	tacacatccg	tacagccaaa	cccacttgaa	gtgatccaga	193080
gccactttta	ttgaaataga	aaagatgcct	attctggagt	gctaagtggg	acaggagggt	193140
gggtatataa	gagataatcc	catgttgtct	ttgatgtggg	gctagggaga	taacccagga	193200
cctcacgcct	gcctgcaagg	tagccaccaa	gccacacca	caacctctat	ttatacacac	193260
actaagtgtg	gaggtatgga	taaaaaaaaa	tgtcccaaga	cctcacgaat	ctgcaaacat	193320
ggtgcctggg	tgggtggcacc	gttttggggg	gcagtggacc	atthtggctt	gcaggaggaa	193380
gttatgtcac	tgggtatggg	cttttgagagt	ttgtagcttt	gtcccccttc	cagtttaactc	193440
tgctctcgta	aggttcctgc	caccatgttt	cctctgccat	tatggacacc	tggtcctcta	193500
gaactgtaag	ccacttactc	tcaggctctct	ttcagtcctg	gagtcttatc	atagcaatga	193560
aaagtaactt	gtgtggcagc	cagctaagca	agggctgtgg	ccgactgctt	gggattatgg	193620
ttgtgtctgt	ctgtctgtct	gtcattccat	ttatatagtc	ctgagaattg	aaccacttta	193680
ccactgacat	gtctcagtc	tcttggtatc	atatattcac	ttaagacaag	atctcattaa	193740
gtcattcaga	ctgggtttga	gcttgcaatc	ctcctgcctc	tgccctcaagg	cgataggatc	193800
cctaggggtac	tcgaccagac	tgggagtagc	aggttctgtt	ctcttagctt	tctacagtga	193860
ttgtggatta	tttgtgtata	aagatctgat	ggcccagacc	actcccttcc	ctttaagtga	193920
acatcaacag	tatttagcat	caacttaata	aactcatttg	gtaaagccat	ctccccacct	193980
cttgaacaaa	tgaataatcaa	acagcagtac	ctgttctcct	agagcagcgg	ctctcagcct	194040
tccggccttt	taatacagtt	cctcgtgttg	cggtgacccc	cccccccccc	agccgtagaa	194100
ttatttcatt	gcttaaccag	agttaactgg	aagggttaat	aataaaaacca	gtctggggaga	194160
ctaaggttac	ccaaccacgc	taggaaggag	aggaaagggc	cactcgcaca	aacctgtctt	194220
tgagatgaag	aacaatcaac	ataacaggga	cagagcagtc	cttgtaacaa	gtgcaaagga	194280

gagagagagg	ctgagttttot	acttctataa	ataaacccctt	ggcaggcgga	tcactaaagg	194340
aacacaagtc	aatataaacc	tttagacatg	gggctgccaa	acttcacttt	tcgacagtat	194400
attaattatg	tagtcaatag	ccatggggtt	cattagcgta	ttaaatacca	cgatcaatat	194460
tattttatact	tttcgaagac	aagccactca	gggaaaaaat	ggtgggggga	ggaggaggaa	194520
caatttgacc	ctgtagtcca	aaaaaagtca	gaacagcaca	ctagagatta	gcaagggttt	194580
aatggaaggc	ataaaacact	ggaaatatgg	acagaaatca	gatccctgcc	ttcatttttc	194640
tgcctttttac	aaagagactg	gaggggaattc	agaaactatt	taaaataaag	gcaaaatgat	194700
tagagcccct	ccctcccctc	agctgcttaa	cactgggggt	gtgggtggacg	caaaaataagc	194760
attgagctct	aagtgataga	tgagaatcag	aacaggaaca	gtgttttttga	ggcaaaaatat	194820
gtccaagaga	attcaaagaa	ctgtgggcca	gaatctactt	aggcagtcct	ctgggacccg	194880
aatccctcac	aggcggttaac	agtggaaacca	atttccaagg	cagccctgct	ggtgatctga	194940
tttttgagta	gggaaatctg	ttaaacatcg	tcccacgagg	gagcccagct	ctttcactcc	195000
ccacggggtt	ctacatgcag	ctgtgctaga	tctgctgaag	tggccggtga	ggaggtgtgg	195060
ggattgggtt	agcgacctca	gaggacattc	ttgttacta	gccctcgtgc	actggggcga	195120
tgaccgaatg	ctgtgagcag	gagatatcaa	aggccggcta	ctggactgaa	aactagatca	195180
ccatctctaa	cctgcaattt	gtcaatctca	gacagcaatg	aagactgtga	ttttctagtc	195240
aacgctttgt	aagcaagggtc	agatagaggc	tccataaaaa	ttgttcaggg	ttcaggcaga	195300
gaatcaagtg	taactcaatc	cctatctcct	gagattaggg	aagggaagga	aggctgtgtc	195360
tactaaacca	gtgagcctca	agcaaagcct	gtctgtttct	agcaagggtga	gccacccacc	195420
aaagatgcca	acagctaagg	gccagggtatg	tagtgcaggg	tgctgtgata	tcaacagctg	195480
ggagacagaa	acaggaggat	caggacttca	aggtagtttg	ggctataaaa	tataagcttg	195540
aagctaccca	cttgaagact	gtccccaaca	aaacaaacaa	gctgggtatg	tggttgcgatg	195600
cttgtatttc	tagtgtatga	gacgaaggaa	gaaagctcaa	gcccagagacc	tgcttgggtt	195660
acatagggaa	gatgggtgct	caaaaaacagg	acagccgagg	agcagacaga	cagggcagac	195720
agggtgcatc	gatctaaatc	cacatacctg	gatttaaagt	aatatctggg	agactgggtc	195780
gtgagggccg	ttccagagat	ttaataaaga	cccaccctga	ctgagtatgg	gcaaacacca	195840
tgggtggccc	aggggtccag	actgaataaa	gggaaaatgg	gaggaagtgc	agctggtagt	195900
gtttccaagt	attaggacca	cagcctggcc	cctggcatgt	gctggccagc	tagtctagct	195960
ccagtatcaa	gcttcaggcc	agcggcaggg	cactggacag	ttcccacaca	cgacacacac	196020
acacacagag	cactagcatt	cacctcctg	tctcttcttg	acaacagata	aaatgtaact	196080
ggctgccaca	gtgagagtc	cctaccttcc	tcaccgttaa	ggatgggtaca	aactgtgagc	196140
cagcagcagc	catattctcca	gtaacttgct	ttccacagat	actgttatag	cactaagaaa	196200
agcaactgaa	acatgggggtg	ctgtgacccc	ttggcaccac	aaagccatgg	caagctgaag	196260
tgcacacatc	acaggccagg	cctgaagatg	ctgggggact	gcaatgctgc	ctggattctg	196320
gcagagatgt	gcagcagatg	ccaagagggtg	ggctgcagca	accagagata	attaatatga	196380
ttaggaacac	actgagcagg	catgctcttg	ccgaatgaaa	agcctcgag	tgtaatgact	196440
gttttcttcc	tcgatcacgg	tctccacgtt	tcagagttgg	cttgggtgta	ggctgccgcg	196500
taaacatcaa	tccaaccccc	aggggcccaga	tcacgggtgt	tcttgggctc	aatcgccctt	196560
ccttttgtgt	tttcattcat	ttaaagatgc	attccagggt	tgcaaacatt	agtgagaatc	196620
atctccaggc	ctcagctcaa	tctctgagtc	tgtaattgag	taacatcttt	ccctagtga	196680
tatttattat	gaaggcta	taattgcttt	ccagttacaa	gaatccttta	cagtcгаа	196740
aagtaggatc	cacaaagata	tactgtttat	tcaaacaag	caaaggaaac	aaagcttctt	196800
tcttaaattc	tatttaacat	agctttaata	aaggtacaca	ggtccgcctg	gcaaccgaac	196860
ggtaactgat	gcaaaactgaa	gccatgctct	gtagcagcct	ggatgtccca	gtgccacctc	196920
tgtctgcagg	ctttgtcgga	tttactaaga	ttctgttatc	ttcaaacagg	gattgtgtct	196980
caagtaactg	accccactat	gtggataatg	aagtaaatta	tgcaatttgg	gggtttgctt	197040
ttccccaagg	ggacagcaag	ccagtgcctta	tcagccgtcc	tcagaggaga	caattctgat	197100
taatatacaga	gtcatctgac	tcagtctatt	aaacctatca	aacctgaag	gaaggatatt	197160
catagattaa	cgataggcct	ttgattaata	attctacctt	ggtgccattc	taagcattaa	197220
caaccatgca	gtaactctgc	aaaacagacc	ctttgattcc	aggcagacgc	accctctgaa	197280
cacctgggtt	ctcccctact	cttctcccc	caggaggaac	tcaagacaaa	aagggtgccac	197340
cactggaaaa	gcacactcca	ggttacataa	tttgctcat	tatccagagt	gggttaaatg	197400
acttgtgaca	taatttctgt	ttgaagataa	caaaatttca	tgaaatccga	caaagccgga	197460
aggcaggagg	aggggactgc	tgccacacta	ccggtggctg	agaactggag	cggaagggtc	197520
acacacagcc	ctctgagctc	actgtccttg	cttatcagtg	agtcccaaga	ggggcccaga	197580
tgggttgcca	gcctccccta	gaggatcttc	attgtggagc	tgtcccatgg	ggcgggaagg	197640
aagccattct	atttctgttc	ttctctcttc	cgttctggcc	accagtggta	cttgctccca	197700
tcacatgttc	ttcctgatgt	tcgcatcag	ccgtctgcca	tagtctctga	agtcacggg	197760
cttcacgtcc	atcacagtgg	ccttaattcg	agattctacc	tttagaaaag	agagaagctg	197820
tttgtgagtg	gcagagcctg	gcgtgcagcg	gaagagagaa	ctttctttgc	ttcagtggct	197880
tcaatgagtc	cagcaggaag	aaggaaagtt	tacaagtctc	agagagaaag	tgctgtgact	197940
tcctggagtt	gggccagatc	ctcttcacac	gaccctttcc	ccatcctagg	tgccctgtgc	198000



tcagacctag	catcctcccc	gagaagcctc	tgtcttttcta	tgggtgcagt	gggggcccag	198060
agcagacagg	taactcacc	taaagcatca	ctttcatctta	gaggagctct	gtggtagtag	198120
ggactgaggc	ttctgctcca	gctctgggca	aggttacttc	tctgctcttc	accattcctg	198180
tccatcccag	gaagacagaa	aatccctaca	ctctcccttg	atctaccoga	ctttctgaca	198240
cgagcctacc	tatgttcatt	taatacaaca	actaaaatat	ctattcacag	gcactaagct	198300
ggtgataacg	cagaatgcac	aaactctgcg	gctgcagggg	agacggcaga	gttcctcctc	198360
cacttgcttc	cttgaactaa	acagtgtctt	tgaggcagaa	cagggtgaca	cctagggaca	198420
cacaagtcta	gctggggggc	ttcatgcttc	catgtgctta	gtaatttaatt	actacatgca	198480
ccgctgttta	caagtatggg	taggagcccg	actgcctggg	ttggcctctc	gcctctgcca	198540
ctccatggct	ttaggttcag	agtcattctc	tgcatgcctc	tgctgtcttc	tccgttggtta	198600
aagcttgcaa	caacagctcc	aacacagaaa	gtgctgtgag	ggtcgacagt	ggatagatgg	198660
ctagatagat	ggggcaggac	ggactgtcca	gtaagcaggg	ttcatcatgg	ctatgcagct	198720
ctggacatca	ggattagttt	aaacacttgt	caggtggggc	actttttacca	gcacgtgcta	198780
tttgtttaat	attctgagtt	ttagaaccta	aactgtggga	aacaagagtc	cacacataac	198840
annnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	198900
nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	nnnnnnnnnn	ngccttgaac	ttgcttctgc	198960
ctcctgctgg	ggttacaggc	ttgagccacc	atgacagctt	tagcaatagc	tttgtaaatac	199020
cacagtgtca	agctggatat	gatggcacat	gcttgcaata	ctaacctcca	aagattccct	199080
gaactcgagt	tggtgaaata	gtccaccagg	taaaagagct	tgctgcccac	gcctgaatct	199140
gattccctgg	tcacatgctt	taaggaaaga	acttgccgaa	gatgtcctct	gagtgccacg	199200
tgtaccgatg	catgcttgca	gccaccacca	caccacacac	agtgcactgt	ctcacacagt	199260
gagaacagca	agtgaacaaa	caaacaagcc	gggggggggg	ggattgtgac	cagaataaatt	199320
gagggggggg	gtaaagctct	tggcaggtgg	ctggctcctg	gtaacactcc	ataagtgggg	199380
aagttccaca	tgtaagggtca	tgtgatcgag	tacatctggg	cctccaacag	tccttgngga	199440
agaaacagat	gcagtctgtc	atatctaaac	catgtgtgtc	gtatctctgg	gtagtctttc	199500
ttttctcctt	cctttctttt	ttctctccct	ttctctttta	aaaaattatt	tattttattat	199560
tatatctaag	tacactgtag	ctgtcttcaa	acacaccaga	agaggggtgtc	tgtcagatct	199620
cattatggat	ggttgtgagc	catcatgtgg	ttgctgggat	ttgaactcag	gaccttcaga	199680
agaacagtca	gtgctcttaa	ccgctgagcc	atctctccat	cccccaacct	ctttctcttt	199740
tgagttaggt	tttgtgtagc	cctgggtggc	gttaccttaa	ctacactggc	tttgaacttg	199800
caatgatacg	ctgcctgac	tgtcttaatc	atttttgagat	agggactcac	tacatagcct	199860
ttgctgggtc	ggaactaaca	gagatctgcc	tgtttctgcc	ttgcaaatgc	tgggaataaaa	199920
gttatgtacc	accacacctg	gagtttaagg	gttttttgtt	tgttttgttt	tcgagacagg	199980
gtttctctgg	gtagtctctg	ctgtcctgga	actcgctctg	tagaccaggc	tggccttgaa	200040
ctcagaaatc	cgctgcctc	tgccctccaa	gtgctgggat	taaaggcggtg	tgccaccacg	200100
cccagtttaa	gggttttttt	ttgtttgttt	tttcttgaga	cagggtttct	ctgtgtagct	200160
ctggatgttc	tggaaactcac	tctgtagagc	aggttagcct	tgaactcaga	aatctgactg	200220
cctctgcctc	ccaagtgtctg	ggattaaagg	cgtgtgccat	caactgcccag	tgattttttt	200280
ttttttaatg	tgtgtatttg	tatgggtgtg	tgggtgcttg	tggaaagccag	gtgtcagatc	200340
cccagagcgg	aagtgttctt	aaccgtgaa	ccatctctct	tccctcttcc	ctaaactctga	200400
ttttaaggcg	accaaactct	taggttagag	actatacaca	cacacacaca	cacacacaca	200460
cacacccgta	cacacccgta	cacaccacat	gacctgcct	gagcacacaa	gtgggttttat	200520
tgctgggtctg	gcctgtgtat	gagctggaac	caaaaccttt	gtcgggagat	ccgcagtctg	200580
cagtttgagc	acaggctctc	tggtttctgt	tctctgtcct	gtgtcgcac	ttgactagag	200640
gcagagaagc	atctgcaagg	ctgtgaccac	gctggctggg	gctctgccat	ctacattttc	200700
aacaggaaat	ctcaggagag	tatttctctt	taagaacgcc	agacttttgt	gcctggggcca	200760
cttctctact	ttccagaaca	ttgtgtgcca	agtggcaagt	tattaaccaa	gtgctttgga	200820
aaattaaact	ccttggtttg	cagagtagca	tgggagcatt	gagagggtgt	atgcctaaag	200880
gcctgggtct	gctgtgggca	gagctgacac	ttggctaaag	ggctggcatt	tctgagatga	200940
gctcactag	atccgcgtct	cagagtctgc	aggagaaatc	agagagggga	gaaggtccag	201000
tggcctgttc	aggatgatct	tcctctgcat	ttaaggggcg	ctggtttgcc	cacgtagccc	201060
cagaaccaa	cgagcctcgg	acgaagcccc	ctaaaggcag	taggagagac	tgagccttgg	201120
ctcttcagca	ggggtgggga	caagagcaag	aggcgggac	tcgcccggcc	ctttagagac	201180
acgtgcgggt	gtttccgtgt	ctgggagatc	acatgaccgc	catcagctga	cccgtcacgg	201240
tggagctcag	cgctgggtgt	tcgcgctccc	cgccctgctg	cgccccggag	cgcaggaccc	201300
tgcggagggg	taagaaaacc	cccaggcttt	ctttcctttg	tcgctgggtc	gcgcagtcac	201360
ctgcacccta	ccccccgctc	ctcgttcac	ccagtcttcc	cggcctggca	ccccggaagc	201420
actgcgagag	agggccgtgg	ccaggctcag	ccttgcgctg	ccccaggcgc	gccaggacca	201480
aatggcccag	gggagcagaa	ggcggaaggt	gggtcttaca	gcaggggtccg	agggctgggtc	201540
cccttctca	gggacctgaca	tggaggagct	gctccggagc	gtggagagag	atctgaacat	201600
tgatgcccg	cagctggccc	tggcgccggg	gggcactcat	gtagtggccc	tagtgtccac	201660
gcgttggtctg	gctagtctcc	gggagcgccg	actgggaccc	tgtccccggg	ctgagggcct	201720

gggtgaagca	gaagtcagga	ctttactgca	acgttcggta	cagaggctgc	ccccaggctg	201780
gactcgagt	gaggtgcatg	ggctgcgga	acggagactg	tcctaccgcg	tgggtggagg	201840
cgtgcccttt	gaggaggggt	cctgtagccc	tgaaactctc	actcgggttc	tgaggagggt	201900
ggctgcccag	aattaccgga	acctgtggcg	ccatgcatac	cacacttatg	gacagcctta	201960
cagccacagc	actgccccct	cagctctacc	tgccctagac	tctatacgac	aagctctcca	202020
gaggggtgat	ggatgcacct	tcttgccagt	gggtgaatcc	atcccatgtc	tatcaaagt	202080
cagggatggg	ccctgccccct	ctcggggcag	ccctgcctgc	cccagccttt	tgcgagctga	202140
ggctttgctg	gagtcgcccc	agatgctcta	tgtggtacac	ccttatgtgc	aattctccct	202200
gcatgatgta	gttaccttca	gcccctgcaa	gctgaccaac	agccaagcca	aggtgctctt	202260
tcttctcttc	cgtgttctga	gggccaatgga	tgctgtcac	cgccaggggc	tggcctgtgg	202320
ggctctgtct	ttgcaccaca	ttgctgtaga	cgagaagcta	tgagtgagc	tccggctgga	202380
cctgagcgct	tacgagatgc	cttccgagga	tgaaaaccag	gagggctctg	aagagaaaaa	202440
tgggacaggc	attaagtctg	aaaaagagtg	ggaagggaga	actgagtgtc	ccacatgcca	202500
gaaagaactt	cggggccttg	tgctagactg	ggctccatggc	cgaatcagca	acttccacta	202560
cctcatgcag	ctgaatcggg	tggcaggtcg	acggcagggg	gatcccaact	atcacccagt	202620
gctgccctgg	gtgggtggact	ttaccacacc	ttatgggcgc	ttccgagacc	ttcgtaaact	202680
caagtccga	ctcaacaagg	gagataagca	attggacttc	acctatgaga	tgaccgcgga	202740
ggcatttggt	gcaggtgggtg	caggaagtgg	ggagccaccc	catgttcctc	accacatctc	202800
tgacgtgctc	tctgacatca	cgtactatgt	atacaaggcc	cgtcgcacac	cgcgctcggt	202860
gctctgtgga	catgtccgag	cgcagtggga	acccacagag	tatcctgcca	ccatggagcg	202920
gatgcagacc	tggacaccgg	atgagtgcat	acccgagttc	tacacggacc	cctctatctt	202980
ttgctctatc	caccctgaca	tgcccgcact	ggatgtgccg	gcctgggtgca	gttctaacca	203040
ggaatttggtg	gctgcccata	gagccctcct	ggagagctgg	gaggtgtccc	aagacctgca	203100
tactggatt	gatcttacct	ttggctacaa	actccagggc	aaagaagctg	tgaaggagaa	203160
gaatgtgtgt	ctgcacctgg	tggacgctca	cacccatctg	accagctatg	gcgtggtaca	203220
gctatttgat	cagccacacc	cccaacgcct	ggctggatct	cctgcccctg	cccctgaacc	203280
tccactcatc	ccccggctgt	tgggtccagcc	tattcggggag	gccacaggcc	aggaggacat	203340
ttcaggacaa	cttataaatg	gtgcggggcag	gcttgtcgta	gaggccactc	catgtgagac	203400
tggctggact	agagataggc	ctgggacagg	agaagatgat	ttagaacagg	ctacagaagc	203460
tctggattcc	atctccctcc	ccgggaaagc	agggtaccag	ccaggctctt	cctccagtca	203520
agcatcacct	ggcctgttgt	ctttttctgt	accctcgggg	tctcgaccag	gccgtaggag	203580
caaagctgcc	gtgggtggacc	ctggggagggg	tgaagagggc	aagattgtcc	ttccagaggg	203640
cttcagtccc	atacaggcct	tggaaagagct	ggagaaaagt	ggtaacttcc	tggccaaagg	203700
cctagggagc	cagttggagg	agcctgaaaa	gcctcacgcc	cagccacctg	tgacctgca	203760
gagcctcttc	catcgagaca	tgcaggtcct	gggtgtcctg	ttggctgaga	tgggtgtttg	203820
caccagggtc	cggatactgc	agcctgatgc	acctttgtgg	gtacgctttg	aggctgttctg	203880
gggtctctgc	atacgccact	ccaaggacat	ccccgtgtct	ctgcagcctg	tgctagacac	203940
actcctacag	ctgagcggac	ccaaaagtcc	catggtgtcg	aagaagggca	agctagacct	204000
actgtttgag	tataggccgg	tttcccaggg	attaccccca	cccagcccag	cccagctcct	204060
cagccctctc	agctccgtgg	tccccttccc	tccatacttc	ccagcactgc	acaagttcat	204120
tcttttatat	caggccgggc	gtgtggaggga	tgaggtccag	ggtcggggagc	tggcgtttgc	204180
tctgtggcag	cagctgggtg	cgggtgttaa	tgacatcact	cccagagggt	tagagatcct	204240
cctgcctttc	gtgctgtcgc	tcatgtctga	ggagcacacg	gctgtgtaca	cagcctggta	204300
cctatttgaa	cccggttgcca	aggccctggg	ccccaaaaat	gccaacaagt	acctcctgaa	204360
gcctctcatc	ggtgcctatg	agagcccctg	ccgcctgcat	ggccgcttct	acctgtacac	204420
cgactgtttt	gtggcccagt	tgggtggtcg	gctgggcttg	caggccttcc	tcacccacct	204480
gctgccccat	gtcctccagg	tactggctgg	ggtggaggct	ttccaggagg	agggcaaagg	204540
cctggtcggg	accactgagg	atgaggaaag	tgagctcccg	gtgtccgggc	ctggctcctg	204600
tgcccttggg	gaagagattc	agatggatgg	gcagccggct	gcttccctcag	gactggggct	204660
cccagactac	aggtcgggcg	tcagcttcca	tgaccaggcc	gacctgccgg	acacggagga	204720
cttccaagct	ggactctacg	tggctgaatc	tccacagccc	caggaggctg	aggccgtgag	204780
cctggggccag	ctgagtgata	agagcagtac	cagcgaagcc	ttccaggggc	aggagagggg	204840
tggggatgat	ggcggtgccc	ctgcggacaa	gaacagcgtc	aagtcagggg	acagcagcca	204900
ggacttgaag	cagagcgaag	gctctgagga	agaggaggag	gaggaaggct	gtgtggtgtt	204960
ggaggaggac	caggaggatg	aagtcacggg	aacatccgag	ctcactctgt	ctgacacgat	205020
gctgtccatg	gagacggtgg	tggctcctgg	tgatgggaga	gacagagaag	aggaagagga	205080
gccgctgaca	gagcagacag	aaggcaaaga	acaaaagatc	ctccttgggtg	agcccgtggg	205140
ctgagggggc	atgggtcagg	tgcttttccc	tcaggctctc	atatgctggg	tgtgggtcca	205200
accagatcca	ctgtagcacg	cacagccaca	gtcagacaca	gtgcatggaa	tgtggaaagt	205260
ctgtgtgtga	gtggaaagtg	gggcttagat	ttagctttca	ggagacagaa	agctccttta	205320
aaagccatac	cttgggctga	ggctgggagt	ggagttgagt	ggtagagcac	ttgtctggta	205380
tactcgaggg	ccctgggtgt	cttatctcta	gccccagaag	aagtattaa	aaataaaaagc	205440

aagtgggtggt	tgagatgtga	atggagccag	aactggccgg	aacagtcggg	tgggaagtggg	205500
aagagtgttc	cagacagggg	acagtgtgtg	tgtacctctg	aggctctcat	ggttccatca	205560
gagaggcagg	gaaaggctaa	aatgggtttc	ttaagagagt	ccagaagggc	tgggcttggt	205620
ggtgcaggcc	tttaatccca	gcactcagga	ggcagaggca	ggcggatttt	tgagttcgag	205680
gccagcctgg	tctacaaagt	gagttccagg	acagccaggg	ctatacagag	aaacctgtc	205740
tcgaaaaaaa	aaaaaaaaaa	aaagagtgtg	gaagggtgga	agccagggac	aagtctgtac	205800
aagaagggaac	ttgggagcat	tgccgaaagg	atgacctctc	tgcaggtcct	gcccagaggag	205860
ccagtttctg	gggaccttga	ccatggctag	gtgaatggac	ccaggatggg	atgggtcaggc	205920
ttgctagcag	agccacagcc	gagttggctg	ggtgggggtg	ggtgggggtg	gaagggtgag	205980
ttatctgatg	agctcaggac	cttttcctgc	cctgcagata	cagcctgcaa	gatgggtccgc	206040
tggctgtctg	ccaagcttgg	ccccacagta	gcctctcgcc	atgtggcccg	gaacctgtctg	206100
cgctgtctga	catcttggtta	tgttggttag	gtctgtgggt	agtgtctggg	accaggttcc	206160
ccagccaggc	ttctgccccat	ccttagccct	ctctaggcga	ctccttcctt	aacttccag	206220
caactccctga	gcagggcctg	ggtctcaccc	attaagctgg	gttttcttgg	gtaagtgggg	206280
aagagcccag	tattgaatga	atagaagcca	ccccacagtc	tcagaaggcc	ggcttccctc	206340
ctgccctcca	ctggcttctc	aacgctgctg	cccttccttg	gtagggccca	ctcgacagca	206400
gttcaccgtc	agcagtgatg	acacccctcc	actgaatgcc	ggcaacatct	accagaagag	206460
gccagtccta	ggtgacatcg	tgtcggggcc	tgtgctcagc	tgcctcctcc	acattgccta	206520
cctgtatgga	gaacccgttc	tcacctacca	gtacctgccc	tacatcagct	acctggtcag	206580
tccttggttc	gtcaaaccac	ggcttggggg	tgggggcaag	gatccaagga	ccagccccag	206640
gtcttggggg	ttccaggagg	tctgtggggg	gacctgtccc	tccctcatct	attctgtggt	206700
tctagtgatg	cccaggagag	aactcaaac	ccagccgact	gaacagccgc	aaggaggccg	206760
ggctgctggc	agcggtgaca	ctgacgcaga	aaatcatcgt	atacctctct	gacacgaccc	206820
tcatggacat	tctgccccgc	attagccacg	aggtcttgct	gcctgtgctt	ggcttcctca	206880
cctccttcgt	cacagggtag	gcccctgctg	cttgggagag	ccacctggct	gagggggccc	206940
ccaggaaggg	ctaggaagct	cagggagaag	cagataccgg	cctgagtcct	ggttctgatg	207000
ttgggggtag	tggcacagg	ctttcatctc	agcaccaga	ggaggggcaag	tttctgtgag	207060
tctgagacta	gcctggtcta	cagagagagc	tccaggctat	ctaaggctcc	atagtaagac	207120
tctgacttaa	gaaaagagtc	gtggttcatt	ctgggttggt	ggtgtggctt	ggtgatggga	207180
caactttcca	gcatgcagga	ggagctatgc	ttgagttcca	gcccttcaga	aaaacaaaaa	207240
tgggggctgg	aaagaatagc	tcagggttta	agagcactgg	ttgctcttcc	agagactcca	207300
ggttagattc	ccagctgcca	catggtagct	cataaccatc	cggcagttct	atggaacctg	207360
ccaccctcct	tcggtctctg	tgggcaactgc	aaacatgtgc	acagacatac	atgcaggcag	207420
aaaaaacacc	catacacata	aaattagacc	aaaaaagttc	atgttctctc	ctacctgtag	207480
ctctgactaa	gctacactgc	ttccctgtgc	ctcagtttcc	tcccctgggc	tggactgatc	207540
agccttacat	gcagctcctg	ttatttgaa	ttcctggtaa	attggtcaag	tccttcagg	207600
aagggtctgg	aactcttgca	ctttgattct	aggttcccca	gtggggccca	ggccccgact	207660
gtcctatgcg	tgaaaaccat	cagtctcatc	gccctcatct	gcttgcgcat	cgggcaggag	207720
atggtccagc	agcacctgag	tgagccagtg	gccaccttct	tccaagtctt	ctctcatctg	207780
catgagcttc	ggcagcagg	aggcaggcag	cttctgggct	gggtggggcca	ggccagtgcca	207840
ggccaggcca	gggcagtgga	cccactgga	ctgtggtctt	cctaccgcga	ggatctgcca	207900
ctggatccta	agggctgtac	tgaggggccag	ctgccagagg	cgaccttctc	tgatgggcag	207960
cgacgaccag	tggacccac	cctgctggaa	gagctgcaga	aggtgttcac	cctggaaatg	208020
gcgtacacaa	tctacgtacc	tttctcctgc	ctggtgggta	ttgcccatac	cgttcctttg	208080
cacagagttg	gtgactacat	ctcttccctg	gggtggggcc	cgatgctttc	acctccagag	208140
tcagcaatgg	aatcttttta	tttttatttt	gacatggggg	ctcatttagc	ccaggctgac	208200
ctttaactcc	agctccttcc	agcttccacc	gtctcctggt	ggcattgtag	tcagtgtggca	208260
ttgctcaggc	ttcttncatg	ttcttatttt	taaatgacct	gtgtgtgtgt	gtgatatctg	208320
tgtgagtgtg	gaggtgacag	aataacagtt	ggggggctcag	cagatgcctt	gcctgatgag	208380
catctctcta	gatccagttt	ttggttttgt	gggcttttat	gtgtgtgttt	gtttgtctgt	208440
ttttgtagac	agggctctctc	tgtgtagcct	ggccatcctg	gaactcattc	agtagaccac	208500
gctggccttg	agctcacaga	gattcacctg	cctctgcctc	ccagtgtctg	gattaaaggc	208560
gtgtaccact	cctgcctggc	tttgtttttg	ttaaccacca	tctcctgcc	tcagcatctg	208620
cctccccctg	gctgggatta	cagggtgtgtg	ctatcacacc	cagctaacag	tggatttaaa	208680
cgtaggaatt	ttaggatcag	agtgaccaga	tttggctcta	gggcccatt	tccacagtga	208740
ttatctatct	tagttaggat	ctctgttgaa	aatcatggtg	gaacatcatt	accaaagtga	208800
acttggggag	gaaaagggtt	atthtgtctg	acaactctca	ggtcaccaag	ggaagtccag	208860
gcaggaactc	gaggcagaag	ctgaagcaaa	agccatggaa	gaactctggc	ttgttctcca	208920
tggcttgctc	agtcctggtg	acccctcccc	acccacctcc	cccacaatgg	tttctctgct	208980
tatgcctggc	tgtcctagaa	ctcactctgt	agactaggct	ggcctcaaac	tcaagagatc	209040
ccccctgctc	tgcactctca	gtgctaagat	taaaggcggg	tgccatcacc	cctgccccag	209100
gggtggcact	accactgta	aattgggtccc	ttcccatatc	agttgttaaa	taagaaaact	209160

cctccatagg	ccaatctggg	gggggaattt	tctcagttga	gggtttctct	tctcaaataa	209220
ctgtagctga	tgccaaattg	ataaaacaaa	tctcaaacca	ccaccaccaa	caacaataaa	209280
accaaacaaa	ccaaacaact	aaccaagaca	gtgacttata	aagagaatct	gaacattttc	209340
cagcaggaaa	ggctcaggag	ctggccattc	aagtctgggg	aacagaatgt	aggggaatat	209400
gatggtctcc	agaagctacc	tgcaaaggaa	tgaacagctt	gctgggtttt	gtggcttccc	209460
ttatgggatg	ggcgtgtac	tgggcttctc	tctgagtagg	atgggccacc	ctgtagttgg	209520
gaatatthttg	ctcctacaga	attgtaagtt	cccagaggca	ggacacatct	gtcttattct	209580
tcattgtgtg	tctgatgcta	gaatgggtgcc	tggcatacac	gtgtgtgtct	ctatagagac	209640
agcactcatg	tctacgtatc	gataaaggaa	gctgttttgg	ggggaggaaa	caggcttaca	209700
gacgagaact	taataaccca	gagtagccca	gtcagtacct	tgcttgggct	tctgttgttt	209760
ctaagctctg	ggtagatagc	taccttgcca	tcttccctga	tcttagaact	ttccccactc	209820
ccctgtaggt	gacatcatcc	ggaaaatcat	ccccaaccat	gagttgggtc	gggagctggc	209880
agggctctat	ctggaaagca	tgagcccgag	ctctcgaaac	ccagccagca	tggaaaccac	209940
catggctagt	gccggccctg	aatgggaccc	tcagagtggg	agctgtctcc	aggacgatgg	210000
ccactcaggg	acctttggga	gtgtcctggg	tggaaatcgc	atccagatcc	ctgactctca	210060
gccccagagt	cctggggccac	tgggctccct	ctctggagtg	ggtagttagc	gaggcctcag	210120
caacaggaat	gaagacaacg	ccctgaagcg	ggagctgcct	cggagtggcc	atgggctgag	210180
cgggaactgg	ctggcgctact	ggcagtacga	gatcgggtgt	agccagcagg	atgcccactt	210240
ccacttccac	cagatccgcc	tgcagagctt	cccagggcac	acggggggcg	tcaaatagct	210300
ggccgccttg	agcagtgaag	acttctttct	gagtggcagc	aaggaccgga	ctgtgcgcct	210360
ctggccgctg	tacaactatg	gggacgggac	caatgagacg	gcttcccgcc	tcatctatgc	210420
ccagcaccgc	aaaagcgtct	tctacgtggg	ccagcttgag	gccccgcagt	atgtgggtgag	210480
ctgtgatggg	gcagtgcacg	tctgggaccc	cttcacaggt	gagcggggcc	aggtgaggcc	210540
tgctcgacgg	ctgctttact	gtgccttagc	caggcctctg	ggaacgggac	ctagtgcgaa	210600
acgtacaatg	gcgtatthttg	acggggaaga	ttcagttagg	caggaagaga	agaagagtca	210660
ggacttagaa	tctgtgggac	ccaagtthga	atccactccc	ccaacttacc	agcaatcggc	210720
tcagttgctg	caggcgtctg	ccttctacct	gtaagaacca	aaaatttaga	agattccacg	210780
agtatggctt	tggcttcttg	tacgacgtca	cctgtcgtcg	ttgtaaagag	aagtatcgag	210840
tggaggaggg	tcagggcaga	cggaggtcgc	agctagttag	agcatgctat	gtgaagagag	210900
cagactgttc	tggggctgga	cccttgactt	cactgtggaa	gcagcaagat	gagaaagccc	210960
tgagattgtg	tttcttgagg	gtcactgggg	aatgggtagc	aggtgtgggg	tgagttggag	211020
tttgaagtga	ccagggtctt	ttgatagcca	ctaagtcccc	agatgtgtcc	tttttcagga	211080
aagacccttc	gcacagtggg	tccttcagac	agccgggtgc	ccctgacggc	tgtggctgtc	211140
atgectgccc	cacacaccag	catcaccatg	gccagctccg	actccactct	gcgctttgtg	211200
gactgcagga	agccaggctt	gcaggtcagg	aggggtgcag	ttcctgggct	actgggggtc	211260
tctaggtacc	agtcaggaaa	gacactcagg	ggactccacc	aggaacgctg	cagtgcacagg	211320
cagccctgtg	tgggtggggc	gctggcacgg	atggggcttt	tctcttccgg	ggatggagtg	211380
ggagggtcag	gcctactggg	ttcgtggggc	tgaatggggg	gagctgcagt	aggggtgggtg	211440
gcagtgatgg	atgggcagcg	gcacttgaac	acaatctctc	cctatagcat	gagttccgac	211500
tgggtggagg	gctgaacctc	gggcttgttc	gctcgttggc	cgtcagcccc	agtggtccgga	211560
gtgttggtgg	tggttcttcc	tcgggcttca	tgggtctcct	agatacccg	acgggcctgg	211620
ttctacgagg	ctggccagcc	catgaagggg	acattctaca	gatcaagggtg	actgactgcc	211680
tgaggtccta	tcctttcatt	tctacttagg	gctgggtctg	ggagaggaca	ggtttatgct	211740
ggtgtccctt	ataactactc	ggggacattc	agtgggggtg	gaaaatggcc	ctcgtaggcc	211800
agctcaggaa	ccagctgcac	aggaggcagg	ctaggggcag	gaatcagggg	tagaactgac	211860
cctgatgctc	cacagcgatg	ttctaattgag	taacccttgt	ccatatthtt	cttgcttgga	211920
ggatcagggg	tcacgccctg	tccgtgaccc	agttcagggt	aaataaagcc	aggaggctgt	211980
ttactgcttg	gagaccactg	agcagagtcc	atgccccctg	ctgggctgtc	ctgatggggg	212040
gcaggaacag	gcgcaggcct	gcgcacgtg	ttcctgcttc	ctatattcaa	tcatagacct	212100
cagagctcag	caggttcttg	gaggggagaa	atagggtctg	ttgtgggagg	atthtctccct	212160
gcagtgggaa	ctctctctcc	ccgctgtcca	gatggagggtg	aaagacaggc	actgttgctt	212220
acagggaagg	caggctgccc	ccagctctat	ccaggacccc	aggggaccct	gggtctcagt	212280
gtctctaaat	cccaacattc	taagaaagtg	tcaggatggc	tctgggggtc	tcctgggtgt	212340
tagtcccagc	tctcggagtc	ttctctgagc	accagttctt	ttcctatggg	aagtaaggac	212400
atgccagggtg	ttctttgaga	ggacctgagt	ttggttctca	gcaactgtct	gctctggctc	212460
caggggggtt	aacacctttt	atggcttctg	tggacacata	ttcttatgtg	gcctgcacgc	212520
acacacacga	acacaaataa	aaataaatgt	taaaagaaga	cagcggcacc	ttgtacctca	212580
catgtttagta	cgattggatg	tggcagtgcc	tcacagaatc	tgtgggactt	tatttattta	212640
tttttttttt	ggctcttaaaa	tttttaaaaga	ttgggttagg	agtgggtggt	cacaccatta	212700
atcgcaaacac	tcaggagcag	aggcagggtg	atctctatgg	gtttgaggcc	agcctggctc	212760
acagagcaag	tttcagggca	gccaaaggta	cacagagaaa	ctctttctca	aaaaataaaa	212820
acaaaatatt	taaaagattt	acttacttct	tatttgagct	aggatctccc	tattagccct	212880

ggctgtcctg	gaactcactg	tatagaccag	gctggcacct	taaactcacg	aagatcctcc	212940
tgcttctgcc	tcctaagtgc	tgagattaaa	gtagtggtat	accatgcccc	actattttct	213000
ttatagat	gggtttttgc	ctgcttgtgt	atatatgcac	taccttcacg	cagtgtcaat	213060
aggggtcaga	ggcgagtatc	agctcttcct	ggaactagag	ttatggaagg	ttgggagtca	213120
ccatgctggg	actgggtcat	ttgcaagagt	tacaagtact	tctgagccat	ctccagcccc	213180
ctagagtttt	tttccccctt	ggctgtcctg	aagtagaatc	tgttcttggt	ttgttttggt	213240
tttcgagaca	gggttttctt	acataggcct	ggctgtcctg	gaactcactc	tgtagaccag	213300
gctggcctcg	aactcagaaa	tccgcctgcc	tctggctctc	agaataactgg	aattaaagggt	213360
gtgcgccacc	acgcctgggt	cagaatctgt	ttttaaatga	gagtaatagt	tacagggtttt	213420
ttgttttggt	tttttctttt	ctttttttgt	ttttgttttt	tggctcattt	gtttttatttg	213480
ttttgagaca	gggtctcactc	tgaaccctta	gggtggcctgg	agcttgctat	gtagaacaca	213540
ctgactttta	acttgttttt	tgagtgtctg	atttatgggc	ttgtgctatt	ttgccagacc	213600
tctgatgggt	gttaataaca	atattattta	gcttttcttt	tggagatagg	ctctcactgt	213660
atatcaccca	gacagtgggt	gggtctggaaa	tcactgtgta	ggccaggctg	accttgaatt	213720
cacagagatc	tgctctccga	gttcagaaat	taaaagcact	ctgggatggg	tttgaggttt	213780
ggtgagtacc	caagcctcca	ttgatgctat	ctgtccctcc	cgctctctgc	aggctgtaga	213840
gggcagcgtg	ctcatcagct	cctcttccga	ccattccttg	actgtttgga	aggagctgga	213900
acagaagccc	acgcaccact	acaagtcagc	gtccgaccca	atccacacct	ttgacctgta	213960
cggcagcgag	gtggtcacccg	gcactgtagc	caacaagatt	gggtgtctgtt	ccctgcttga	214020
gccaccctct	caggccacca	caaagctcag	ttccgagaac	ttccgtggca	cgctcactag	214080
tctggctttg	ctgccccaga	aacgccacct	cctgctgggc	tcggacaatg	gcatcatccg	214140
cctcctggca	tagggccagc	caggagtgtg	ctgagggcag	ggcgagatga	catctctcag	214200
ggcccgtccc	tcattcttga	tctcgaagcc	gattcttcta	ggcaagcccc	aggctctggc	214260
taccacatg	gcctgctgtc	tgggattgca	cagctcttga	atctccaaag	ccttgaagtg	214320
gcttcatgaa	actcgggaga	tactgttcct	aaccagcaag	aattggggca	aggaaagcac	214380
tgtgatcccc	attgctcccc	agttctgcct	tctggattca	catggggaca	gggcagctcc	214440
aggaaatgaa	aggagtgggg	cctttgctca	gccagcttcc	tctagccacg	ctctccttag	214500
ctctgtttct	cccttgggta	ggaaaactgct	cctgtctagg	gttctgatgg	tactgggact	214560
ccaggctcag	gagggctggc	caggacctac	gactttcagg	gcttggctctg	gggttttagc	214620
attcattcag	ccaggctctt	agtatgggac	cagaaaaaag	gggatgtgag	aacagggtcta	214680
gggaaggggg	tatatggggc	cagctgggtc	aggaaatgaat	ccatgccttg	ccttgggtacc	214740
cctaaccaca	cggtttgtgc	cttcagccgg	ggaggcagcc	cctgggacca	gcatccctag	214800
ggacaggagg	cagcgggaat	catctctgta	tctcgggttc	tgcccagggg	atgggcagac	214860
tctgccatct	cttgagtgtt	cgtttggaga	agcctgagat	gtggccctctg	ctgccttctc	214920
actagtgtga	gtctatgtaa	ataaggtaaa	taaattcttt	ggaagagcca	cggagctgag	214980
tgaggctgtg	ttgtgttttg	ctttgcctag	gctgggctca	ggcagctctg	cctcagcctc	215040
ccaaggagct	ggggaaactgg	tatatgtcac	tgtatatgtc	actgtgcctg	gcttatggct	215100
tggcttggct	ttttttcaga	tgggtctcaag	tgccctcagg	tggccttgat	cttgggatga	215160
ccttctgtct	tgaaacagag	tagtgggctt	ataggcatga	cccaccagg	ccaattttta	215220
ttttttaaag	gcattgattt	ttatacgtgt	atggttgttt	tgcccacttg	tacatatgca	215280
caccatactt	cctgctgggc	cctgcggagg	tcagaagagg	gcatcgggat	cacctggaac	215340
cgaagttaat	gaatgggttat	gagccacatc	tcgatgctga	agattgaacc	tggatccttt	215400
gcaagagcag	ccagtgttct	taccactga	gccatctcta	agccccacac	ccagcttctt	215460
ttgatacaag	gtctggtagc	tcaaacttga	tatgcagccg	aggaggttga	cctgggtattc	215520
cctacctacc	ctcttctctc	taccttccaa	gtgctgatat	tatacatagg	catggatagt	215580
catgcccacc	agtttgcctt	gatggcacca	gagtcaggaa	agtccaaaacc	tggtagtgtg	215640
aaacacagca	agagggtaga	ggcagccatt	gtcctctggc	tgccctggat	acagagcttc	215700
tgggttgggt	ggccttgggt	cagttttccg	aatggttcac	ccttggggaa	agggaacact	215760
gctgaagagg	tgggaccctg	ggagggccgg	cctccagctg	ggctctctca	gccctcgctt	215820
tggaaacctag	gctggagggg	gccaaccagg	atcctggact	tgctacagtt	agggtgaacag	215880
gctcctgcag	cctccccctt	ccttgggtag	ctgtgggtgg	gggtgggtgg	gtgggtgggtg	215940
tgggtgggtg	gggtgggtgg	gtgggggggg	ggngnnngnt			215980

<210> 17

<211> 473

<212> PRT

<213> Mus sp.

<400> 17

Met Lys Arg Ala Ser Ser Gly Gly Ser Arg Leu Leu Ala Trp Val Leu

1

5

10

15

Trp Leu Gln Ala Trp Arg Val Ala Thr Pro Cys Pro Gly Ala Cys Val  
 20 25 30  
 Cys Tyr Asn Glu Pro Lys Val Thr Thr Ser Cys Pro Gln Gln Gly Leu  
 35 40 45  
 Gln Ala Val Pro Thr Gly Ile Pro Ala Ser Ser Gln Arg Ile Phe Leu  
 50 55 60  
 His Gly Asn Arg Ile Ser His Val Pro Ala Ala Ser Phe Gln Ser Cys  
 65 70 75 80  
 Arg Asn Leu Thr Ile Leu Trp Leu His Ser Asn Ala Leu Ala Arg Ile  
 85 90 95  
 Asp Ala Ala Ala Phe Thr Gly Leu Thr Leu Leu Glu Gln Leu Asp Leu  
 100 105 110  
 Ser Asp Asn Ala Gln Leu His Val Val Asp Pro Thr Thr Phe His Gly  
 115 120 125  
 Leu Gly His Leu His Thr Leu His Leu Asp Arg Cys Gly Leu Arg Glu  
 130 135 140  
 Leu Gly Pro Gly Leu Phe Arg Gly Leu Ala Ala Leu Gln Tyr Leu Tyr  
 145 150 155 160  
 Leu Gln Asp Asn Asn Leu Gln Ala Leu Pro Asp Asn Thr Phe Arg Asp  
 165 170 175  
 Leu Gly Asn Leu Thr His Leu Phe Leu His Gly Asn Arg Ile Pro Ser  
 180 185 190  
 Val Pro Glu His Ala Phe Arg Gly Leu His Ser Leu Asp Arg Leu Leu  
 195 200 205  
 Leu His Gln Asn His Val Ala Arg Val His Pro His Ala Phe Arg Asp  
 210 215 220  
 Leu Gly Arg Leu Met Thr Leu Tyr Leu Phe Ala Asn Asn Leu Ser Met  
 225 230 235 240  
 Leu Pro Ala Glu Val Leu Met Pro Leu Arg Ser Leu Gln Tyr Leu Arg  
 245 250 255  
 Leu Asn Asp Asn Pro Trp Val Cys Asp Cys Arg Ala Arg Pro Leu Trp  
 260 265 270  
 Ala Trp Leu Gln Lys Phe Arg Gly Ser Ser Ser Glu Val Pro Cys Asn  
 275 280 285  
 Leu Pro Gln Arg Leu Ala Asp Arg Asp Leu Lys Arg Leu Ala Ala Ser  
 290 295 300  
 Asp Leu Glu Gly Cys Ala Val Ala Ser Gly Pro Phe Arg Pro Ile Gln  
 305 310 315 320  
 Thr Ser Gln Leu Thr Asp Glu Glu Leu Leu Ser Leu Pro Lys Cys Cys  
 325 330 335  
 Gln Pro Asp Ala Ala Asp Lys Ala Ser Val Leu Glu Pro Gly Arg Pro

340										345					350															
Ala	Ser	Ala	Gly	Asn	Ala	Leu	Lys	Gly	Arg	Val	Pro	Pro	Gly	Asp	Thr															
			355					360					365																	
Pro	Pro	Gly	Asn	Gly	Ser	Gly	Pro	Arg	His	Ile	Asn	Asp	Ser	Pro	Phe															
		370				375					380																			
Gly	Thr	Leu	Pro	Ser	Ser	Ala	Glu	Pro	Pro	Leu	Thr	Ala	Leu	Arg	Pro															
		385			390					395					400															
Gly	Gly	Ser	Glu	Pro	Pro	Gly	Leu	Pro	Thr	Thr	Gly	Pro	Arg	Arg	Arg															
				405					410					415																
Pro	Gly	Cys	Ser	Arg	Lys	Asn	Arg	Thr	Arg	Ser	His	Cys	Arg	Leu	Gly															
			420					425					430																	
Gln	Ala	Gly	Ser	Gly	Ala	Ser	Gly	Thr	Gly	Asp	Ala	Glu	Gly	Ser	Gly															
		435					440					445																		
Ala	Leu	Pro	Ala	Leu	Ala	Cys	Ser	Leu	Ala	Pro	Leu	Gly	Leu	Ala	Leu															
		450				455					460																			
Val	Leu	Trp	Thr	Val	Leu	Gly	Pro	Cys																						
		465			470																									

<210> 18  
 <211> 283  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Consensus  
 sequence

<220>  
 <221> MOD\_RES  
 <222> (3)..(4)  
 <223> Variable amino acid or not present

<220>  
 <221> MOD\_RES  
 <222> (6)  
 <223> Variable amino acid or not present

<220>  
 <221> MOD\_RES  
 <222> (9)..(10)  
 <223> Variable amino acid or not present

<220>  
 <221> MOD\_RES  
 <222> (12)..(13)  
 <223> Variable amino acid or not present

<220>  
 <221> MOD\_RES  
 <222> (15)  
 <223> Variable amino acid or not present

<220>

```

<221> MOD_RES
<222> (18)..(25)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (27)..(29)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (31)..(34)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (36)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (39)..(40)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (42)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (44)..(50)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (52)..(59)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (62)..(63)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (66)..(69)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (71)..(74)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (76)..(80)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (83)

```



```

<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (87)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (90)..(91)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (93)..(96)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (98)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (101)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (104)..(105)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (107)..(108)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (110)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (112)..(113)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (115)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (117)..(118)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (120)..(123)
<223> Variable amino acid or not present

```

```

<220>
<221> MOD_RES
<222> (125)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (128)..(129)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (137)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (139)..(142)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (144)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (146)..(147)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (149)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (152)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (155)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (163)..(171)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (176)..(177)
<223> Variable amino acid or not present

<220>
<221> MOD_RES
<222> (185)
<223> Variable amino acid or not present

<220>
<221> MOD_RES

```

<222> (187)..(190)  
<223> Variable amino acid or not present

<220>  
<221> MOD\_RES  
<222> (193)..(194)  
<223> Variable amino acid or not present

<220>  
<221> MOD\_RES  
<222> (197)..(198)  
<223> Variable amino acid or not present

<220>  
<221> MOD\_RES  
<222> (200)  
<223> Variable amino acid or not present

<220>  
<221> MOD\_RES  
<222> (203)..(204)  
<223> Variable amino acid or not present

<220>  
<221> MOD\_RES  
<222> (206)  
<223> Variable amino acid or not present

<220>  
<221> MOD\_RES  
<222> (209)  
<223> Variable amino acid or not present

<220>  
<221> MOD\_RES  
<222> (211)  
<223> Variable amino acid or not present

<220>  
<221> MOD\_RES  
<222> (213)..(214)  
<223> Variable amino acid or not present

<220>  
<221> MOD\_RES  
<222> (216)..(219)  
<223> Variable amino acid or not present

<220>  
<221> MOD\_RES  
<222> (221)..(222)  
<223> Variable amino acid or not present

<220>  
<221> MOD\_RES  
<222> (224)..(225)  
<223> Variable amino acid or not present

<220>  
<221> MOD\_RES  
<222> (227)..(228)  
<223> Variable amino acid or not present

<220>  
<221> MOD\_RES  
<222> (233)  
<223> Variable amino acid or not present

<220>  
<221> MOD\_RES  
<222> (235)  
<223> Variable amino acid or not present

<220>  
<221> MOD\_RES  
<222> (237)  
<223> Variable amino acid or not present

<220>  
<221> MOD\_RES  
<222> (239)  
<223> Variable amino acid or not present

<220>  
<221> MOD\_RES  
<222> (242)  
<223> Variable amino acid or not present

<220>  
<221> MOD\_RES  
<222> (244)  
<223> Variable amino acid or not present

<220>  
<221> MOD\_RES  
<222> (247)  
<223> Variable amino acid or not present

<220>  
<221> MOD\_RES  
<222> (249)..(252)  
<223> Variable amino acid or not present

<220>  
<221> MOD\_RES  
<222> (254)  
<223> Variable amino acid or not present

<220>  
<221> MOD\_RES  
<222> (258)  
<223> Variable amino acid or not present

<220>  
<221> MOD\_RES  
<222> (260)  
<223> Variable amino acid or not present

<220>  
<221> MOD\_RES  
<222> (262)..(263)  
<223> Variable amino acid or not present

<220>

<221> MOD\_RES  
 <222> (265)..(270)  
 <223> Variable amino acid or not present

<220>  
 <221> MOD\_RES  
 <222> (273)..(274)  
 <223> Variable amino acid or not present

<220>  
 <221> MOD\_RES  
 <222> (276)..(278)  
 <223> Variable amino acid or not present

<220>  
 <221> MOD\_RES  
 <222> (280)..(282)  
 <223> Variable amino acid or not present

<400> 18  
 Cys Pro Xaa Xaa Cys Xaa Cys Tyr Xaa Xaa Pro Xaa Xaa Thr Xaa Ser  
     1                    5                    10                    15  
 Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Pro Xaa Xaa Xaa Pro Xaa Xaa  
                     20                    25                    30  
 Xaa Xaa Arg Xaa Phe Leu Xaa Xaa Asn Xaa Ile Xaa Xaa Xaa Xaa Xaa  
                     35                    40                    45  
 Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Leu Trp Xaa Xaa Ser  
                     50                    55                    60  
 Asn Xaa Xaa Xaa Xaa Ile Xaa Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa  
     65                    70                    75                    80  
 Leu Glu Xaa Leu Asp Leu Xaa Asp Asn Xaa Xaa Leu Xaa Xaa Xaa Xaa  
                     85                    90                    95  
 Pro Xaa Thr Phe Xaa Gly Leu Xaa Xaa Leu Xaa Xaa Leu Xaa Leu Xaa  
                     100                    105                    110  
 Xaa Cys Xaa Leu Xaa Xaa Leu Xaa Xaa Xaa Xaa Phe Xaa Gly Leu Xaa  
                     115                    120                    125  
 Xaa Leu Gln Tyr Leu Tyr Leu Gln Xaa Asn Xaa Xaa Xaa Xaa Leu Xaa  
                     130                    135                    140  
 Asp Xaa Xaa Phe Xaa Asp Leu Xaa Asn Leu Xaa His Leu Phe Leu His  
     145                    150                    155                    160  
 Gly Asn Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Phe Arg Gly Leu Xaa  
                     165                    170                    175  
 Xaa Leu Asp Arg Leu Leu Leu His Xaa Asn Xaa Xaa Xaa Xaa Val His  
                     180                    185                    190  
 Xaa Xaa Ala Phe Xaa Xaa Leu Xaa Arg Leu Xaa Xaa Leu Xaa Leu Phe  
                     195                    200                    205  
 Xaa Asn Xaa Leu Xaa Xaa Leu Xaa Xaa Xaa Xaa Leu Xaa Xaa Leu Xaa  
                     210                    215                    220

Xaa	Leu	Xaa	Xaa	Leu	Arg	Leu	Asn	Xaa	Asn	Xaa	Trp	Xaa	Cys	Xaa	Cys
225						230				235					240
Arg	Xaa	Arg	Xaa	Leu	Trp	Xaa	Trp	Xaa	Xaa	Xaa	Xaa	Arg	Xaa	Ser	Ser
				245					250					255	
Ser	Xaa	Val	Xaa	Cys	Xaa	Xaa	Pro	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Asp	Leu
			260					265						270	
Xaa	Xaa	Leu	Xaa	Xaa	Xaa	Asp	Xaa	Xaa	Xaa	Cys					
		275					280								

<210> 19  
 <211> 50  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Consensus  
 sequence

<220>  
 <221> MOD\_RES  
 <222> (2)  
 <223> Variable amino acid or not present

<220>  
 <221> MOD\_RES  
 <222> (4)  
 <223> Variable amino acid or not present

<220>  
 <221> MOD\_RES  
 <222> (6)  
 <223> Variable amino acid or not present

<220>  
 <221> MOD\_RES  
 <222> (11)  
 <223> Variable amino acid or not present

<220>  
 <221> MOD\_RES  
 <222> (14)  
 <223> Variable amino acid or not present

<220>  
 <221> MOD\_RES  
 <222> (16)..(19)  
 <223> Variable amino acid or not present

<220>  
 <221> MOD\_RES  
 <222> (21)  
 <223> Variable amino acid or not present

<220>  
 <221> MOD\_RES  
 <222> (25)  
 <223> Variable amino acid or not present

<220>

<221> MOD\_RES  
 <222> (27)  
 <223> Variable amino acid or not present

<220>  
 <221> MOD\_RES  
 <222> (29)..(30)  
 <223> Variable amino acid or not present

<220>  
 <221> MOD\_RES  
 <222> (32)..(37)  
 <223> Variable amino acid or not present

<220>  
 <221> MOD\_RES  
 <222> (40)..(41)  
 <223> Variable amino acid or not present

<220>  
 <221> MOD\_RES  
 <222> (43)..(45)  
 <223> Variable amino acid or not present

<220>  
 <221> MOD\_RES  
 <222> (47)..(49)  
 <223> Variable amino acid or not present

<400> 19  
 Asn Xaa Trp Xaa Cys Xaa Cys Arg Ala Arg Xaa Leu Trp Xaa Trp Xaa  
           1                  5                  10                  15

Xaa Xaa Xaa Arg Xaa Ser Ser Ser Xaa Val Xaa Cys Xaa Xaa Pro Xaa  
                   20                  25                  30

Xaa Xaa Xaa Xaa Xaa Asp Leu Xaa Xaa Leu Xaa Xaa Xaa Asp Xaa Xaa  
                   35                  40                  45

Xaa Cys  
           50